Portsmouth City Council

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1 INTRODUCTION

1.1 AUTHORISATION

WSP was instructed by Portsmouth City Council (the 'Client') to undertake a Site Investigation and subsequent Generic Quantitative Risk Assessment (GQRA) of the land known as JHP, Tipner, Hampshire, Portsmouth PO2 8QA (the 'Site').

1.2 A SITE LOCATION PLAN AND SITE BOUNDARY PLAN ARE PRESENTED AS FIGURE 1 AND FIGURE 2 IN APPENDIX A.PROPOSED DEVELOPMENT

It is understood that the site will form part of the extensive regeneration proposals for a scheme known as Lennox Point (formerly) Tipner Regeneration, Portsmouth. The JHP Land parcel will support part of the marine employment area associated with the scheme. At this stage no fixed masterplan has been developed and no Finished Floor Levels (FFL) are available.

1.3 OBJECTIVES

A Ground Investigation is required to assess the underlying ground conditions and provide an updated contaminated land risk assessment for the Site as part of the environmental due diligence required to support acquisition. Further Ground Investigation will be required to support planning and detailed design.

1.4 SCOPE OF WORKS

In order to meet the objectives outlined in **Section 1.3,** the scope of works for the investigation comprised the following:

- Preparation of a site-specific Construction Phase Plan to include risk assessments and detailed method statements for the proposed work in accordance with the Construction (Design and Management) Regulations 2015;
- Procurement of utility drawings;
- Buried utility avoidance survey of proposed exploratory hole locations;
- Surveying of exploratory hole locations to Ordnance Survey national grid co-ordinates and levelling to Ordnance Datum;
- Presence of a UXO engineer for all intrusive site investigation works;
- Clearance of the site by a radiological consultant;
- Concrete coring where proposed exploratory holes are on asphalt or concrete;
- The advancement of up to three boreholes into the Chalk, circa 20 m below ground level (bgl), (clean drilling technique where advancing into chalk strata). Installation of twin installations in each monitoring well in order to obtain representative gas and groundwater samples from the Made Ground and Chalk;
- Advancement of up to 14 boreholes by window sampling to a maximum depth of 5 m bgl and installation of combined soil gas monitoring installations within eight of the locations generally targeting the shallow Made Ground deposits;

- Excavation of up to 6 trial pits using a mechanical excavator (JCB 3CX or similar) to a maximum depth of 3 m bgl;
- Collection and submission of soil and groundwater samples for chemical and geotechnical laboratory analysis;
- Gas monitoring, groundwater level monitoring and groundwater sampling and testing will also be undertaken at all of these locations following the completion of the ground investigation works; and.
- Completion of a Generic Quantitative Risk Assessment (GQRA) report.

1.5 REGULATORY CONTEXT

The assessment was undertaken in the legislative context of:

- Part 2A of The Environmental Act (1990); and,
- The National Planning Policy Framework (NPPF) 2019.

The following good practice and statutory guidance were considered and the assessment was undertaken in general accordance with:

- Environment Agency Land Contamination Risk Management (LCRM) October 2020;
- CIRIA 'Assessing Risks Posed by Hazardous Gases to Buildings', C665 (2007);
- British Standard 'Investigation of Potentially Contaminated Sites – Code of Practice', BS EN 10175:2011;
- Defra 'Environment Protection Act 1990: Part 2A Contaminated Land Strategy Guidance' PB13735 (2012);
- British Standard 'Guidance on Investigations for Ground Gas – Permanent Gases and Volatile Organic Compounds (VOCs)' BS 8576:2013;
- British Standard 'Code of Practice for Ground Investigations', BS 5930:2015;
- UK Water Industry Research (UKWIR) 'Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites' Ref: 10/WM/03/21; and,
- Ministry of Agriculture, Fisheries and Food (MAFF) Code of Good Agricultural Practice for the Protection of Soil (1998).

Legislation and guidance on the assessment of contaminated sites acknowledges the need for a tiered risk based approach. This assessment represents a Generic Quantitative Risk Assessment (GQRA) being a comparison of site contaminant levels against generic standards and compliance criteria including an assessment of risk using the source-pathway-receptor model.

1.6 SOURCES OF INFORMATION

The following sources of information were used in the production of this report:

- Defra's Magic Map website (https://magic.defra.gov.uk/MagicMap.aspx), accessed on 17 March 2021;
- British Geological Survey (BGS) Geological Map Sheet No. 260, Portsmouth, 1:50,000 Bedrock and Superficial Edition (1994); and,

- BGS 'Geology of Britain' online viewer (http://mapapps.bgs.ac.uk/geologyofbritain/home.html), accessed on 17 March 2021.

The following third-party reports have been provided for the production of this report:

- IKM Consulting Ltd, Tipner Site, Desk Study Report, September 2005; and,
- Lake Environmental, West Tipner, Portsmouth, Summary of Desk Study and Site Investigation Information, Report Ref. 00132LE PCC TWS v-2, September 2013.

A summary of the above reports is included within **Section 3**.

1.7 CONFIDENTIALITY AND LIMITATIONS

This report is addressed to and may be relied upon by Portsmouth City Council. The report may not be relied upon or transferred to any other parties without the express written authorisation of WSP. This report should be read in full. No responsibility will be accepted where this report is used, either in its entirety or in part by any other party.

Third party information used in the production of this report has been taken in good faith as being accurate. WSP cannot and will not accept any liability for errors and/or omissions in data provided by others and WSP cannot warrant the work of others.

General limitations of the assessment are included in **Appendix H**.

2 SUMMARY OF SITE INFORMATION

2.1 SITE DESCRIPTION

A Site Location Plan and Site Boundary Plan are presented as **Figure 1** and **Figure 2** in **Appendix A**.

Table 2-1 provides details of the Site which have been obtained from review of previous reports and during the recent ground investigation.

Table 2-1 – Site Information

Details	Description
Name and Address	JHP, Tipner, Hampshire, Portsmouth PO2 8QA (the 'Site').
Grid Reference	463997, 103572
Site Description	The Site is an approximate 2.4 hectares (Ha) triangular peninsular into the tidal Tipner Lake. The Site is currently occupied by; ▪ A concrete mixing plant (redundant); ▪ TJ Waste & Recycling; ▪ Pounds Marine and Shipping – shipyard; and, ▪ Buy Any Boat – marine broker. Primary access to Site is from the south via Tipner Lane off the M275.
Topography and Ground Cover	The site is relatively flat with ground cover comprises predominantly concrete and asphalt hardstanding.

2.2 SITE HISTORY

Based on the information provided in the available reports, namely the 2013 Lake Environmental Report; the historical site development is summarised in **Table 2-2** below. The original source of the information was not available for review, the main historical features identified are shown on **Figure 3** (**Appendix A**).

Table 2-2 – Site History

Date	Site Use
1773	Site labelled as Salterns
1802	The Tipner Point area identified as Tipner Point Magazine with structures; ▪ Magazine ▪ Shifting House ▪ Cooperage ▪ Guard Room and Engine House ▪ Civil Watch and Office ▪ A large tank is shown of unknown contents.

Date	Site Use
	The site to the south-east is labelled as "low ground…..salt pans"
1878	Boathouse is shown on the eastern side of the Point. A large tidal pond with a sluice is shown at the eastern end of site.
1895	Tank replaced with a building.
1919	Three buildings present in the location of the present-day warehouse in the east of the site, later shown with earth 'bunded up around' the buildings. IKM 2005 identifies laboratories were in this vicinity.
1932	Tram/railway lines leading to the magazine, shifting house, cooperage, new buildings and southeast towards the laboratories. 1945 aerial photograph shows the magazine to be walled and gated on its south side
1952	Land reclaimed with anecdotal evidence suggesting that fill material was mainly rubble from the clearance of bombsites. *Once piles had been driven in the land, the area was apparently declared a free tip to local construction industries and infilled with building material over a three-year period.*
1965	MOD sold Tipner Point to Trafalgar Wharves Ltd, owned by the Pounds family who merged the Point with the scrapyard they had already established to the southeast.
1967	Areas to the east and south show signs of landfilling/raising activity.
1970	The laboratories to the east of the Point have been demolished. The quay had been extended at Tipner Point with probable rubble from demolished magazine buildings. It is also *'believed that chalk from the M27 Portsdown Cutting was used as fill material'.* The scrap yard was used for the breakage of ships, submarines and other military vehicles and metal-dominated structures with aerial photographs confirming the presence of ships, tanks, buoys, concrete blocks and mounds of scrap.
1973	Aerial photograph shows the buildings in the east of the site are no longer present and the tidal pond is not evident. The M275 is in the process of being built. The scrapyard extends from the Point to Twyford Avenue. On an aerial photograph dated 1975, the residual outlines of the buildings can be seen adjacent to the now complete M275. By 1983 the current-day warehouse has been constructed, and reclamation has occurred to the north.
Prior to 1984	The current day warehouse in the east of the site was constructed on the location of the demolished labs. A new sea wall positioned seaward of the existing (now buried) sea wall
Post 1990	Lafarge Aggregates began operating at Tipner Point after 1990.

2.3 GEOLOGY

The BGS 'Geology of Britain' online viewer indicates the geology underlying the site comprises superficial Raised Marine Deposits and Beach and Tidal Flats Deposits underlain by The White Chalk Subgroup (Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation).

Table 2-3 below provides a summary of the underlying site geology based on exploratory hole logs from the 2006 IKM investigation.

Table 2-3 – Geological Descriptions

Stratum	Thickness Range (m bgl)	Typical Strata Descriptions
Made Ground (MG)	0.35 m to 5.0 m	Gravelly clay, sand and gravel, cobbles. Matrix comprising flint, brick, concrete, wood, ceramics, charcoal, glass and bitumen with occasional ash, peat, asphalt, slag and occasional suspected asbestos.
Beach and Tidal Deposits (superficial)	0.60 m to 12.0 m	Very soft grey/black gravely CLAY underlain by soft brown sandy gravely CLAY and chalky CLAY. Gravel is fine to medium flint and chalk.
Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation	From 3.90 m (shallowest)	Very weak structureless Chalk to moderately weak - moderately strong white Chalk.

2.4 HYDROGEOLOGY

The Beach and Tidal Flat Deposits are classified as a secondary undifferentiated aquifer by the Environment Agency, while the Chalk underlying the site is classified as a Principal Aquifer.

The Site does not lie within a groundwater source protection zone. It is possible that groundwater underlying the Site will locally flow to towards the Harbour. Groundwater has been shown to be present in the Beach and Tidal Flat Deposits and is likely to be in continuity with the Chalk where the Beach and Tidal Flat Deposits is sufficiently permeable. Shallow groundwater has been shown to be in hydraulic continuity with the Harbour.

There are no records of water abstraction in the vicinity of the site.

2.5 HYDROLOGY

With the exception of the Harbour, there are no surface water bodies in the vicinity of the site. The site is identified as being within an area at risk from flooding from the sea.

2.6 PRELIMINARY HYDROGEOLOGICAL MODEL

During previous investigations groundwater was encountered with the Made Ground, superficial and Chalk deposits. The 2006 IKM report also concluded that continual tidal flushing of the groundwater regime may be occurring in the vicinity of Tipner Point and close to the foreshore, on the western side of the M275.

Any perched groundwater within the Made Ground is likely to be in hydraulic connectivity with the raised beach deposits and given shallow or variable thickness of superficial clay soils, it is anticipated

these are also in conductively with the underlying Chalk aquifer. Given the site aspect, it is assumed at this stage that any land based groundwater discharge would be off-shore in a generally west or north west direction to the harbour.

2.7 UNEXPLODED ORDNANCE

During the 2006 IKM investigation Planit EOD, (explosive ordnance survey and removal contractor), were instructed to carry out a survey as a result of an explosive ordnance threat assessment undertaken by Bactec International Ltd (October, 2005), which highlighted six areas of potential unexploded ordnance (UXO) contamination on the larger development site. It has been considered that there is a high risk of encountering UXO based on its military history and would have been likely a main strategic target for bombing by the Luftwaffe.

2.8 ENVIRONMENTALLY SENSITIVE SITES

The site is bounded on three sides by Portsmouth Harbour, which is designated as a SSSI, SPA and RAMSAR due to the importance of the tidal mudflats as a source of grazing for migrating birds. The boundary of the designations follows the high-water mark.

3 HISTORICAL REPORTS

The Site has been the subject of a number of desk studies, ground investigations and summary reports, some of which have been provided by the Client for review. **Section 3.1** below discusses the summary report provided by Lake Environmental in 2013 and, upon further review from WSP, is considered to provide a sufficiently in-depth review of the available information to date. Subsequently, all pertinent information from previous IKM investigations from 2005, 2006 and 2010 is included in **Section 3.1**.

3.1 LAKE ENVIRONMENTAL – SUMMARY OF DESK STUDY AND SITE INVESTIGATION INFORMATION AVAILABLE (2013)

Lake Environmental Limited (LE) was instructed by Portsmouth City Council to undertake a review of available information for the site known as Tipner West. This included the whole Tipner area, and designated site areas W1 to W9. The areas of interest in relation to WSP in this report are W1-Tipner Point and W2-Scrapyard. The adjacent area W4 (MOD landfill), and the more distant but extensive W9 (firing range), are discussed briefly where relevant.

In relation to W1-Tipner Point and area W2-Scrapyard, the LE report references the same four sources of desk study information;

- Tipner/Stamshaw area desk study – **Parkman Environment, 1994**
- Tipner redevelopment area, Portsmouth desk study report – **C L Associates, 1996**
- Tipner West, Portsmouth contaminated land desk study – **Gifford, 2001**
- Tipner site desk study report – **IKM, 2005**

All information pertaining to intrusive ground investigations were sourced by LE from the following two reports:

- Tipner, Portsmouth factual and interpretative report – **IKM, 2006**
- Tipner, Portsmouth geo-environmental interpretative report – **IKM, 2009-2010**

It should be noted that upon reviewing laboratory results WSP have identified a number of discrepancies relating to the validity of the data. Further commentary is presented in the following sections.

3.1.1 SITE HISTORY SUMMARY

W1 was historically referred to as ‘Tipner Point Magazine’ and was used as a salterns from approximately 1773 to 1802 until the construction of the main magazine building (ammunition storage); a shifting house (temporary ammunition storage); a cooperage (making of wooden casks, buckets, tubs, metal staves); a guard room/engine house; and a civil watch/office as part of the wider magazine/artillery site. A large tank is indicated between the guard room and office in 1802 not further details are known. A boathouse, two jetties and an additional building near the tank were constructed between 1878 and 1895.

W2 also formed part of the salterns from 1773-1802, with a large tidal pond and sluice were present in the east of W2 by 1898. Between 1919-1932 a series of three buildings were constructed in the

vicinity of the current warehouse building, linked to the docks by railways. Two of these buildings were identified by IKM's 2005 desk study to have been laboratories used to test and store shells.

By 1932 a significant amount of development has taken place including the addition of a crane, and railways/tramways between docks and the magazine, shifting house and cooperage.

Records show that Tipner Point was sold by the MOD in 1965 to Trafalgar Wharves Ltd (owned by John Henry Pounds [JHP]) and was merged into joint ownership with area W2-Scrapyard. Between approximately 1965 and 1968, the current north-west end of Tipner Point (W1) was formed by land-reclamation mostly involving infilling with construction/demolition rubble sourced from the local area and driving of reclaimed piles. In 1968 mapping, a laboratory is situated on a platform overhanging the east side of Tipner Point, however this was demolished before 1970.

Signs of landfilling/raising activity are notable in relation to the absence of the pond in the east of W2 between 1967-1973.

By 1970 the area was used primarily for breakage of ships, submarines and other military vehicles/structures. The majority of magazine buildings had been demolished with resulting rubble (possibly along with chalk material from the M27 road cuttings nearby) being used to further extend Tipner Point beyond the seawall to the north west, north (W1) and east (W2).

By 1973, the M275 roadway is under construction and forms the eastern boundary to W2 and the scrapyard extends significantly east to Twyford Avenue. Photographs from up until 1975 show no clear boundary between W2 and W4 to the south, which is known to have been occupied by a MOD landfill site since investigated and found to contain significant volumes of asbestos containing materials (ACMs). By 1983, the present-day scrapyard warehouse is in its current position.

LaFarge Aggregates operated at Tipner Point from approximately 1990 until at least 2013 (when the LE report was written) and used for receiving, processing and distributing sands, gravels and cement to the construction industry.

Records held by Portsmouth City Council (PCC) show that a submarine was set alight below the high tide line of Tipner Point in 1995, and in 1996 a fire was reported north of Portsmouth Cruising Club (just south west of the former magazine buildings).

LE and IKM describe how the extensive area W9 (approximately 100-150 m south and south west of W1 and W2) has been occupied by a firing range / rifle range in some capacity since the late 1800s, with processing and storage of gunpowder activities in earlier years. Demolition of structures and various infilling events have taken place across this extensive parcel of land over the years.

3.1.2 GEOLOGY / GROUND CONDITIONS

The following summaries pertain to information provided in the IKM ground investigation reports from 2006 and 2009/10, comprising 24 No intrusive borehole and trial pit locations.

Site investigation information shows that the entire W1 site is underlain by Made Ground soils (including materials such as concrete, brick, flint, charcoal, wood, plastic, slag, metal, ash, ceramics, bitumen and glass) between 0.35-5.00 metres below ground level (m bgl) as a result of land raising and reclamation activities.

Alluvium comprising of gravels, organic clays and sands was reportedly encountered from 0.20-4.50 m bgl. Chalk bedrock was encountered from 3.90-6.50 m bgl.

WSP review of BGS map sources indicates superficial geology beneath the Site actually comprises a combination of Raised Marine Deposits (sand and gravel) and Beach and Tidal Flat Deposits (clay, silt, sand and gravel).

3.1.3 HYDROLOGY AND HYDROGEOLOGY

The nearest surface water body is Portsmouth Harbour, but no surface water bodies are situated within W1 or W2. The generally site area and surrounding area is at risk from flooding from the sea.

The reported superficial Alluvium deposits are considered a secondary (undifferentiated) aquifer while the Chalk is a principal aquifer. Neither area is within a Source Protection Zone (SPZ). Shallow groundwater encountered during intrusive works and monitoring was shown to be in hydraulic continuity with the tides. Groundwater within reported superficial Alluvium deposits is likely in continuity with chalk groundwater where suitable permeability exists and is regionally known to flow south following dipping chalk rock-head topography, however it is considered that shallowest Alluvium groundwater may flow towards the harbour.

WSP review of BGS map sources indicates superficial geology beneath the Site actually comprises a combination of Raised Marine Deposits (sand and gravel; Secondary (undifferentiated) aquifer) and Beach and Tidal Flat Deposits (clay, silt, sand and gravel; Secondary (undifferentiated) aquifer).

3.1.4 CONTAMINATED LAND ASSESSMENT

Following desk studies, contamination in the form of metals, hydrocarbons, solvents, asbestos and ground gas were anticipated.

Following the site investigation, IKM stated that elevated concentrations of metals and hydrocarbons were identified within the soils underlying both W1 and W2. A Detailed Quantitative Risk Assessment (DQRA) was undertaken by IKM in 2006 identifying a risk to both residential and commercial end users from indoor vapour inhalation, including specifically the vicinity of trial pit location TPSY8 (eastern corner of area W2-Scrapyard). Direct contact pathways (i.e. dermal and ingestion) were discounted based on the anticipation of a cover layer being placed across the site.

Analysis of two samples taken from sediments in the direct vicinity of the site identified elevated concentrations of arsenic, copper, zinc and total petroleum hydrocarbons. No asbestos containing materials (ACMs) were identified in area W1, but were identified in W2 and other adjacent sections (including significant volumes in MOD landfill in area W4, south of the study Site), therefore the possibility of ACMs in Made Ground underlying W1 could not be discounted.

Ground gas monitoring was undertaken on multiple occasions from 2006-2013. Some higher flow readings from area W2 are likely explained by tidal influences. Subsequently, results indicate no mitigation measures would be required in the design of new developments.

In relation to coastal waters (Portsmouth Harbour), identified concentrations of benzo(a) pyrene, copper, boron, zinc, arsenic and nickel in shallow groundwater samples were considered to represent an unacceptable risk (**in reference to the criteria used by IKM at the time**).

Analysis of two samples taken from rivulets originating from the boundary of the site identified elevated concentrations of boron, arsenic, and selenium, which represent an unacceptable risk to the Harbour (**in reference to the criteria used by IKM at the time**).

Upon WSP review, the following comments are required to clarify the complete context of this report (references made to Environmental Quality Standards (EQS) refer to those in relation to coastal waters):

- LE references IKM risk assessments which were competed in the context of a proposed development comprising both commercial and residential end-use. This WSP 2021 report is completing risk assessments on the basis of a commercial end-use **only**. Subsequently, WSP identify the presence of asbestos fibres as the sole contaminant of concern to human health within samples obtained during the IKM 2006 investigation.
- LE state exceedances of benzo(a)pyrene, copper, boron, zinc, arsenic and nickel were identified in groundwater in relation to coastal waters thresholds. WSP review reveals this list to be inaccurate, and the following corrected statements are made in relation to Water Quality Standards (WQS):
  - 13 No groundwater samples were taken from 9 No different locations and testing was carried out between 14-03-2006 and 16-06-2006.
  - Arsenic levels exceeded EQS in five samples.
  - Cadmium levels exceeded EQS in five samples.
  - Chromium levels exceeded EQS in nine samples.
  - Copper levels exceeded EQS in three samples.
  - Lead levels exceeded EQS in three samples.
  - Nickel levels exceeded EQS in four samples.
  - Zinc levels exceeded EQS in eleven samples.
  - Mercury levels exceeded EQS in one sample.
  - Flouranthene levels exceeded EQS in one sample.
- LE make no reference to the leachate analysis carried out in areas W1 and W2. Comments on these results are made below in reference to samples having been re-screened against Water Quality Standards (WQS):
  - Laboratory results from 5 No soil samples are available, however it is noted that two of these have approximately 4 months between sampling date and laboratory receipt date; subsequently, these results are **not considered valid for assessment**.
  - Of the 3 No valid set of results, a total of 11 No exceedances of EQS for a saltwater/coastal setting in relation to cadmium, chromium, copper, lead and zinc.

3.1.5 UNEXPLODED ORDNANCE (UXO)

Desk studies revealed a total of 6 No WWII bomb strikes in the vicinity of the Site.

3.1.6 RADIOLOGICAL CONTAMINATION

No areas with instrument readings above background levels were identified during the surveys carried out before commencing intrusive works at either W1 or W2.

3.1.7 SENSITIVE LAND USES

W1 and W2 are bound to the north by the high-water line of Portsmouth Harbour, which is designated as a SSSI, SPA and RAMSAR due to the importance of the tidal mudflats for migrating birds

4 PRELIMINARY CONCEPTUAL SITE MODEL

4.1 INTRODUCTION

The Preliminary Conceptual Site Model (CSM) is based upon the environmental conditions of the Site as described in the previous sections, in particular with reference to the summary provided by Lake Environmental in 2013 and review of other historical reports pertaining to the Site. The methods used in this assessment followed a risk-based approach with the potential environmental risk assessed qualitatively using the 'source-pathway-receptor' contaminant linkages concept introduced in the guidance document (principally the Environment Agency LCRM 2020) on the practical implementation of the Environmental Protection Act 1990.

Environmental risk can be defined as the combination of the consequence of a harmful effect and the probability of its occurrence. The existing of a contaminant linkage is primarily dependant on Site usage and environmental conditions.

The environmental risk assessment has been carried out identifying and evaluating the significance of the following:

- **Potential Sources of Contamination:** these include any actual or potentially contaminating materials or activities, located either on or in the vicinity of the Site;
- **Potential Pathways of Contamination Migration:** these are the routes or mechanisms by which contaminants may migrate from the source to the receptor; and,
- **Potential Receptors of Contamination:** these include current or future land users, activities or persons at the Site.

4.2 POTENTIAL CONTAMINATION SOURCES

Table 4-1 presents a summary of the potential sources of contamination and the likely nature of such sources both on-site and within the immediate surrounding.

Table 4-1 – Potential Sources of Contamination

Potential Source	Potential Contaminants of Concern	Likely / Anticipated Distribution & Comment.
ON-SITE		
Made Ground across site associated with historical infilling, raising and land reclamation works.	Asbestos fibres positively identified in 2 No Made Ground soil samples in IKM 2006 investigation. Elevated levels of metals, PAH and TPH identified in IKM 2006 investigation indicates potential for exceedances to be encountered in future investigations.	Asbestos fibres historically identified within shallow Made Ground in the vicinity of the scrapyard (TJ Waste) in the south east of the Site. Given the identification of asbestos fibres in Made Ground proximal to the Site, it is considered that asbestos is potentially present locally throughout the Site. Elevated levels of metals, PAHs and TPHs were historically encountered across the Site therefore the potential for further discovery is Site-wide.

Potential Source	Potential Contaminants of Concern	Likely / Anticipated Distribution & Comment.
Historical storage of ammunition/explosives in former and remnant magazine buildings.	Organic explosive compounds (including but not exclusive to Trinitrotoluene (TNT), Nitro-glycerine (NG)), metal salts, pyrotechnics, chlorates and perchlorates, ammonium nitrates.	Within the vicinity of former MOD and magazine buildings, transport tracks, docking locations and former laboratory buildings. Potentially site-wide if unnamed storage locations existed.
Above-ground fuel (diesel) storage tank and waste oil tank, including associated pipes.	TPH, PAH, BTEX, VOCs	Tank is located in a remnant magazine building in the central section of Site, and waste oil tank is situated approx. 10 m east of these buildings.
Various historical and current industrial operations across the Site, including a cooperage, boat-breakers, shipping yard, waste management facility, aggregates and cement processing / mixing / storage / distribution. Notable features definitively identified include cement mixing plant, cement kiln, abandoned / redundant plant / vehicles, cranes, scrap metals/wastes/debris and miscellaneous chemical storage.	Full range of contaminants including PAHs, TPHs, heavy metals, solvents, inorganics, organic matter, VOCs, PCBs, ground gases. Asbestos containing materials (ACMs) suspected in the fabric of older buildings / structures.	Site-wide. Demolition would be undertaken by a specialist and not considered to represent an ongoing source. Asbestos within Made Ground considered above.
Electrical substations (former and current)	PCBs, fuel oils	Located external to north east corner of magazine buildings, and north of the magazine buildings within the vicinity of LaFarge site.
Potential radioactive contaminants associated with components extracted from decommissioning of military equipment / vehicles (i.e. dials)	Including, but not necessarily exclusive to, Radium	Potentially site-wide
Groundwater	GAC exceedances of a range of heavy metal contaminants, as well as isolated PAHs, have been previously identified in groundwater and leachate beneath the Site. Other PAH, TPH and VOC compounds potentially present due to continued industrial / commercial usage since the last investigation.	Impacted groundwater has been reported previously in locations across the entire Site.

Potential Source	Potential Contaminants of Concern	Likely / Anticipated Distribution & Comment.
OFF-SITE		
Historical and current industrial / commercial land use surrounding site	Full range of contaminants including PAHs, TPHs, heavy metals, solvents, inorganics, organic matter, VOCs, PCBs, ground gases.	Potential for migration of ground gases and/or contaminated groundwater from surrounding off-site sources.
Asbestos landfill south of Site	Asbestos fibres confirmed in adjacent land parcel W4	Potential for migration of wind-blown fibres/dust from former landfill site to the south if exposed through soft standing cover
Firing range and historical uses / landfilling	Metals (particularly lead from bullets), gunpowder / gunshot residues, oxides, nitrates. Potential full range of contaminants associated with made ground infilling, including asbestos	Potential for migration of ground gases and/or contaminated groundwater from surrounding off-site sources. Previous site investigations have identified elevated lead in shallow soils in this area, marginally elevated levels of methane in ground gas, and groundwater impacted by metals

4.3 POTENTIAL RECEPTORS

In the context of the proposed commercial redevelopment of the site, the following potential receptors were identified:

Human Health

- Future site users, site workers and visitors; and,
- Construction and maintenance workers.
- Third party neighbours.

Controlled Waters

- Beach and Tidal Flat Deposits and Raised Marine Deposits (Superficial Secondary (undifferentiated) Aquifers)
- White Chalk Subgroup (Bedrock Principal Aquifer).
- Portsmouth Harbour.

Services and Building Fabric

- Future below ground services (e.g. potable water supply pipes); and,
- Future building structures.

4.4 PLAUSIBLE POLLUTANT LINKAGE ASSESSMENT

Table 4-2 presents an evaluation of the potential contaminant linkages that were considered to be plausible on the basis of the information currently available for the Site and the proposed commercial end-use.

Table 4-2 – Plausible Contaminant Linkages

Potential Contaminant Sources	Pathways	Receptors	Likelihood	Severity	Comments
ON-SITE					
Made Ground across site associated with historical infilling, raising and land reclamation works. Impacted Groundwater	Dermal contact, ingestion and inhalation of impacted Made Ground and soil particles. Inhalation of asbestos fibres	**Human Health** Future site users, workers and visitors	Unlikely	Medium	Hydrocarbons, asbestos fibres and inorganic contaminants have been identified on site during previous site investigations. The proposed end-use of the Site is commercial with no current plans for any soft landscaping area to be included in the design. Furthermore, it is understood that plans are to potentially increase levels of the Site. Therefore, the risk to future site users, workers and visitors is considered to be **Low**.
		Human Health Future construction / maintenance workers	Likely	Medium	Future construction workers or maintenance workers may come in to contact with asbestos fibres and/or contaminated soils/groundwater during ground or maintenance works (e.g. dermal exposure or inhalation of vapours or ground gases). The risk is considered to be **Moderate**, however these risks should be managed in line with CDM Regulations.

Potential Contaminant Sources	Pathways	Receptors	Likelihood	Severity	Comments
	Ground gas / vapour migration	**Human Health** Future site users, workers and visitors Future construction / maintenance workers	Low Likelihood	Medium	Ground gas and vapours have the potential to accumulate in confined spaces and may pose a risk of asphyxiation or explosion. While no elevated ground gas levels were recorded during previous investigation works, the thickness and variability of Made Ground across the Site presents the possibility of localised pockets of increased potential for generation of gases. Therefore, the risk from ground gas and vapours to future site users, works and visitors is considered to be **Low to Moderate**.
	Vertical leaching from impacted soil and lateral migration of impacted groundwater derived from on-site sources.	**Controlled Waters** ▪ Beach and Tidal Flat Deposits and Raised Marine Deposits (Superficial Secondary undifferentiated Aquifers); ▪ White Chalk Subgroup (Bedrock Principal Aquifer); and, ▪ Portsmouth Harbour	Likely	Medium	Leachable heavy metal contaminants have been identified within Made Ground soils on Site. Groundwater has also been found to be impacted with heavy metal contaminants. Perched groundwater within the Made Ground is likely to be in partial hydraulic connectivity with underlying superficial deposits impacting the Secondary Aquifers. The White Chalk Subgroup is a Principal Aquifer and is likely in hydraulic continuity with any granular components of the overlying superficial deposits. Portsmouth Harbour is designated as an SSSI, SPA and RAMSAR site. Portsmouth Harbour surrounds the majority of the Site and has been demonstrated to be in tidal hydraulic continuity with shallow groundwater beneath the Site.

Potential Contaminant Sources	Pathways	Receptors	Likelihood	Severity	Comments
					Given this, the risk to Controlled Waters is considered to be **Moderate**.
	Direct contact, Permeation of hydrocarbons through plastic pipes	**Building Fabric and Services** ▪ Below ground services; and ▪ Building structures.	Low Likelihood	Mild	Given the lack of significantly elevated hydrocarbon contaminants identified in previous investigations the risk is considered to be **Low** Given the sulphate results recorded in the previous investigation the risk is considered to be **Moderate**.
Historical storage of ammunition/explosives in former and remnant magazine buildings. Above-ground fuel (diesel) storage tank and waste oil tank, including associated pipes. Electrical substations (former and current). Potential radioactive contaminants associated with components extracted from decommissioning of military equipment / vehicles (i.e. dials) Various historical and current industrial	Dermal contact, ingestion and inhalation of impacted soils. Inhalation of asbestos fibres	**Human Health** Future site users, workers and visitors Future construction / maintenance workers	Low Likelihood	Medium	The potential sources listed here are all above ground and are not currently known to have been specifically targeted for investigation. PCBs have not been tested for so far. There is the potential for future workers at the facilities on Site to come into contact with these contaminants. Therefore, the risk to future site users, workers and visitors, and to potential maintenance/construction workers is considered to be **Low to Moderate**.
	Vertical leaching from impacted soil and lateral migration of impacted groundwater derived from on-site sources.	**Controlled Waters** ▪ Beach and Tidal Flat Deposits and Raised Marine Deposits (Superficial Secondary undifferentiated Aquifers);	Unlikely	Medium	It is considered unlikely that surface contaminants are migrating below concrete surface cover and impacting groundwater below. However, peripheral sources may be directly impacting the surrounding harbour waters. Given this, the risk to Controlled Waters is considered to be **Moderate**.

Potential Contaminant Sources	Pathways	Receptors	Likelihood	Severity	Comments
operations across the Site.		▪ White Chalk Subgroup (Bedrock Principal Aquifer); and, ▪ Portsmouth Harbour			
OFF-SITE					
Historical and current industrial / commercial land use to the west, south and east, including MOD asbestos landfill and MOD firing range	▪ Inhalation of windblown dust and asbestos fibres. ▪ Migration of ground gas and volatile vapours.	**Human Health** ▪ Future site users, workers and visitors ▪ Future construction / maintenance workers. ▪ Third party neighbours.	Low Likelihood	Mild	The majority of the area surrounding the site are covered with hardstanding or grass cover, therefore it is considered unlikely that windblown dust and fibres from off-site sources will impact receptors on the Site. The risk to human health receptors from windblown dust and fibres from off-site is considered to be **Low**. Ground gas and vapours generated from Made Ground in the areas surrounding the site may migrate laterally in the subsurface and accumulate in enclosed spaces which could pose a risk of explosion of asphyxiation. The risk is considered to be **Low.**
	Vertical and lateral migration within groundwater	**Controlled Waters** ▪ Beach and Tidal Flat Deposits and Raised Marine Deposits (Superficial Secondary undifferentiated Aquifers);	Low Likelihood	Mild	Groundwater within the superficial secondary aquifer and bedrock principal aquifers are considered likely in hydraulic continuity with similar deposits directly off-site. Groundwater flow direction is considered to be towards the South, but has been demonstrated to be influenced by the tides in shallower groundwater. Considering the above, it is considered of low likelihood that

Potential Contaminant Sources	Pathways	Receptors	Likelihood	Severity	Comments
		▪ White Chalk Subgroup (Bedrock Principal Aquifer); and, ▪ Portsmouth Harbour			off-site contamination would migrate into groundwater beneath the study Site. Given this, the risk to Controlled Waters from off-site sources is considered to be **Low**.
	Lateral migration of contaminants via impacted groundwater	**Building Fabric and Services** ▪ Below ground services; and ▪ Building structures	Low Likelihood	Mild	Based on the historical land uses in the surrounding area, there is a low potential for the migration of contaminants in groundwater from off-site sources. The risk is considered to be **Low.**

5 SITE INVESTIGATION AND ASSESSMENT RATIONALE

5.1 SITE INVESTIGATION RATIONALE

The 2021 intrusive ground investigation works were undertaken by WSP between 15 to 22 February 2021.

The ground investigation works were undertaken following a review of available data and according to the WSP proposal; 70067958 dated 21 Jan 2021.

The WSP 2021 exploratory hole locations are shown on **Figure 3** in **Appendix A**. The locations were positioned to target areas of potential contamination (based upon former site uses), provide good site coverage for the environmental assessment and to support the geotechnical design requirements.

A summary of the rationale for the intrusive works advanced during the 2020 ground investigation is presented in **Table 5-1**.

Table 5-1 – Summary of Ground Investigation Rationale

Element of Investigation	Details	Rationale
Cable Percussion Boreholes	BH1 to BH10 advanced to maximum depths of 10 m bgl with ground gas and groundwater monitoring installations	To obtain geo-environmental soil data and groundwater data within the Made Ground, superficial and bedrock deposits (Chalk).
Window Sample Boreholes	WS1 to WS8 advanced to maximum depths of 5 m bgl.	To provide additional spatial coverage across the site for shallow geo-environmental soil data from the Made Ground and Superficial deposits.
Trial Pits	TP1 to TP4	To provide spatial coverage across the site for shallow geo-environmental soil data from the Made Ground in localised non-hardstanding ground areas.
Hand Pit	HP1	To provide additional spatial coverage for shallow geo-environmental soil data from Made Ground in a localised non-hardstanding area.

Clean drilling methods were carried out in the deeper boreholes with a bentonite seal placed before reducing a clean casing through into the underlying Chalk aquifer.

All cable percussive boreholes were installed with monitoring wells to allow for the monitoring of ground gas and groundwater. Each well was installed with a 50 millimetre (mm) HDPE standpipe(s). A summary of the installed monitoring wells in presented in **Table 5-2**. Full installation details are detailed on the exploratory hole logs presented in **Appendix B.2**.

Table 5-2 – Summary of Installed Monitoring Wells

Exploratory Hole	Diameter (mm)	Top of Response Zone (m bgl)	Base of Response Zone (m bgl)	Response Zone Strata
BH1	50	1.0	4.0	Made Ground and Beach & Tidal Flat Deposits
	50	8.0	10.0	Lewes Nodular Chalk Formation, Seaford Chalk Formation and Portsdown Chalk Formation
BH2	50	1.0	5.0	Beach & Tidal Flat Deposits
BH3	50	1.0	5.0	Made Ground and Beach & Tidal Flat Deposits
BH4	50	1.0	2.0	Made Ground
BH5	50	2.0	5.0	Made Ground
	50	8.0	10.0	Lewes Nodular Chalk Formation, Seaford Chalk Formation and Portsdown Chalk Formation
BH6	50	1.0	3.3	Made Ground
BH7	50	1.0	5.0	Made Ground and Beach & Tidal Flat Deposits
BH8	50	1.0	5.0	Made Ground and Beach & Tidal Flat Deposits
BH9	50	1.0	5.0	Made Ground, Raised Beach and Beach & Tidal Flat Deposits
BH10	50	1.0	2.0	Made Ground
	50	8.0	10.0	Lewes Nodular Chalk Formation, Seaford Chalk Formation and Portsdown Chalk Formation

5.2 IN-SITU TESTING

A hand-held Photo-Ionisation Detector (PID) (fitted with a 10.6eV lamp) was used to provide an indication of the presence of volatile compounds within obtained soil samples. The PID results are presented on the exploratory hole logs included within the WSP Ground Investigation Factual Report (dated February 2021).

5.3 LABORATORY TESTING: SOILS AND LEACHATES

Selected soil samples were submitted for chemical analysis by ALS Laboratories (a UKAS and MCERTS accredited laboratory) for the following:

- Asbestos identification and quantification (where identified);
- Metals – arsenic, barium, beryllium, boron, water soluble boron, cadmium, total chromium, chromium III, chromium VI, copper, lead, mercury, nickel, selenium and zinc;
- Inorganics; pH, water soluble sulphate as SO4, chloride, elemental sulphur, cyanide (total, free and complex), exchangeable ammonia as NH4;
- Phenols (speciated);
- Total Petroleum Hydrocarbons (TPH-CWG) (speciated);
- Polycyclic Aromatic Hydrocarbons (PAH) (speciated) including BTEX, MTBE and TAME;
- Semi-volatile organic compounds (SVOC);
- Volatile organic compounds (VOC); and,
- Soil organic matter (SOM).

In addition, selected soil samples were also submitted for analysis for the following:

- Explosive residues; and,
- Tributyltin (Organotin Compounds)

Selected soil samples were also submitted for leachate analysis for the following:

- Metals – arsenic, barium, beryllium, boron, cadmium, chromium (total and hexavalent), copper, lead, mercury, nickel, selenium, vanadium and zinc;

5.4 GROUNDWATER LEVEL AND GROUND GAS MONITORING

Groundwater level and ground gas monitoring was undertaken three occasions to date. Details of the monitoring visits are summarised in **Table 5-3** below:

Table 5-3 – Summary of Groundwater Level and Ground Gas Monitoring Visits to Date

Dates	Details
25 March 2021	▪ Well Development
4 March 2021	First round of ground gas and groundwater level monitoring; and, ▪ Groundwater sampling
11 March 2021	▪ Second round of ground gas and groundwater level monitoring
18 March 2021	▪ Third round of ground gas and groundwater level monitoring

Dates	Details
7 April 2021	▪ Fourth round of ground gas and groundwater level monitoring ▪ Vapour sampling of select locations.

5.5 GROUNDWATER SAMPLING

Following the installation of monitoring wells, well development was undertaken on the 25 March 2021. Where suitable recharge occurred a minimum of three well volumes of water was removed from each well utilising a submersible pump. Groundwater samples were obtained on one occasion; 5th March 2021 using low flow methods.

5.6 LABORATORY TESTING: GROUNDWATER

Groundwater samples were sent to ALS Laboratories and analysed for the following:

- Arsenic, barium, beryllium, cadmium, calcium, chromium III, chromium VI, copper, ferrous iron, lead, manganese II, mercury, nickel, potassium, selenium and zinc;
- Inorganics: pH, sulphate, chloride, cyanide (total, free and complex);
- Total Petroleum Hydrocarbons (TPH-CWG);
- Phenols;
- SVOCs;
- VOCs; and,
- Tributyltin (Organotin Compounds).

5.7 LABORATORY TESTING: VAPOUR

Four gas samples were retrieved using summa vacuum canisters from selected monitoring wells during the fourth ground monitoring round and sent to ALS Laboratories to be analysed for the following:

- VOCs; and,
- TPH-CWG.

6 GROUND CONDITIONS

6.1 ENCOUNTERED GROUND CONDITIONS

A summary of ground conditions encountered during the 2021 investigation is presented in **Table 6-1**.

Table 6-1 – Summary of Ground Conditions

Stratum	Range of Depth to Base of Strata (m bgl)	Range of Thickness (m)	Typical Description
Concrete Surfacing	0.16 to 0.39	0.16 to 0.39	Flint aggregate concrete, frequently reinforced
Made Ground	0.70 to 6.00	0.50 to 5.41	Highly variable and generally comprising brown/ grey/ red / yellow / white / black clayey silty gravelly Sand / silty sandy Gravel / sandy gravelly Silt/Clay. With cobble and frequent boulder content.
Raised Beach Deposits	1.00 to 2.20	0.25 to 1.20	Orange brown / brown silty gravelly SAND (WS1 / WS4 / BH9 only)
Beach and Tidal Flat Deposits	4.50 to 6.20*	0.90 to 4.20*	Soft locally very soft grey mottled dark bluish grey silty organic CLAY / Pale brownish grey gravelly slightly sandy SILT. Frequent organic odour.
Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation	(10.00)	(3.10 to 5.50)	Recovered as: structureless CHALK composed of white gravelly SILT of CHALK becoming silty GRAVEL of CHALK. Clasts are very weak to moderately weak, low to medium density, white.

Note: Brackets indicate maximum unproven depth or thickness
**Base proven to BH1, BH5 and BH10 only.*

6.1.1 SURFACING

The surfacing on the Site frequently comprised of concrete, with various depths, as a result of separate areas of existing and former commercial land uses. Of the 22 investigation locations 12 of these had a concrete ground slab cover. The concrete had a flint aggregate and was frequent noted to have steel mesh reinforcement. In general, the concrete was in a satisfactory condition.

6.1.2 MADE GROUND

Made Ground deposits were encountered within all 22 exploratory hole locations across the Site. The base of the Made Ground was proven to depths between 0.70 m and 5.41 m bgl with an (average) thickness of the order of 2.50 m. The material comprised both granular and cohesive strata, typically the former found within the upper 1 m depth. The granular material was highly variable but generally comprising of dark brown / brown grey clayey silty gravelly Sand. The gravel fraction comprising flint and brick frequently with high cobble and medium boulder content of concrete and brick.

Localised granular Made Ground identified towards the south west site boundary in WS5 and TP1 confirmed frequent glass, wood, metal, plastic and wires with the matrix.

Also localised shallow pale grey / white silty clayey Gravel of Chalk was confirmed towards the south east near the site perimeter in TP2, BH3 and BH7.

The cohesive Made Ground deposits were typically described as dark brown / dark grey gravelly clayey Silt / Clay. Often soft or locally very soft consistency. The deposit was considered to be derived or reworked from organic material or mud typical of the known superficial soils and frequently having an organic odour. The gravel fraction comprising of brick with concrete and scattered chalk. Medium to high brick cobble content was frequently noted and larger concrete boulder debris was also evident.

A single deeper confirmed depth of Made Ground was noted on the outer north west 'tip' of the site in BH5. This was the only exploratory location that was not impeded by a buried obstruction and the depth of the Made Ground was recorded to 6.00 m bgl.

As discussed, obstructions were noted at many locations within the Made Ground, details of which are summarised in **Table 6-2** below:

Table 6-2 – Summary of Obstructions noted within the Made Ground – WSP 2021 GI

Exploratory Hole	Depth (m bgl)	Details
BH1	0.20 to 1.40	Former brick wall with concrete foundation
BH3	1.40 to 1.60	Concrete
BH4	1.80	Concrete
BH6	1.80	Concrete. Suspected boulder debris
BH7	2.50 to 3.00	Concrete. Suspected boulder debris
BH10	1.50 to 2.00	Concrete. Suspected boulder debris
WS2, WS2a, WS2B	0.50	Concrete
WS3	1.50	Red Brick
WS5	0.90	Concrete
WS6	0.25	Concrete
WS7 & WS7a	0.50 & 1.50	Concrete & Brick / Concrete respectively

Exploratory Hole	Depth (m bgl)	Details
WS8	0.60	Concrete
TP1	0.70 to 1.15	Concrete
TP2	0.70 to 1.65	Concrete. Boulder debris
TP4	1.00	Concrete. Boulder debris

Observations of contamination were noted at various locations within the Made Ground details of which are summarised **Table 6-3** below.

Table 6-3 – Summary of Observed Potential Contamination

Exploratory Hole	Depth (m bgl)	Comment
WSP 2021 Ground Investigation Works		
TP1	0.70 to 1.00	Creosote odour with elevated PID reading
WS5	0.70	Possible fibrous cement fragments
BH3	2.00	Dark grey / black discoloration with Hydrocarbon and organic odour

6.1.3 SUPERFICIAL DEPOSITS

6.1.3.1 Raised Beach Deposits (RBD)

A light brown / pale brown slightly clayey silty sandy Gravel of flint was observed within the upper 1.00m to 2.20 m depth in WS1, WS4 and BH9. At these locations, in the west of the site, the depth of Made Ground cover was at its shallowest (between 0.70 m and 1.20 m). No deeper natural granular deposits were confirmed within the superficial soils and it is possible these shallow granular soils are representative Raised Beach soils.

6.1.3.2 Beach and Tidal Flat Deposits (BTFU)

At the west of the site, in WS1, WS4, BH1 and BH2, soft locally very soft, grey mottled bluish grey locally firm grey mottled dark bluish grey silty organic Clay was confirmed beneath the Made Ground. The base of the organic clay at these locations was confirmed to depths between 3.00 m and 3.80 m and was frequented with scattered black subrounded flint and localised wood/plant/root pseudo fibrous material. The clay was noted to have an organic odour.

With depth at these latter locations and including to the east of the site in BH3, BH7, BH8 and BH10 the deposit became a pale brownish grey gravelly slightly sandy SILT with occasional black rounded flint. The gravel fraction comprised of fine and medium subrounded of cream / white scattered chalk clasts. The consistency of the recovered soil varied between very soft to firm and also having a slight

organic odour. The base of the deposit was proven in the deeper drilled boreholes BH1, BH5 BH10, as well as WS4 and ranging between 4.20 m 6.90 m bgl.

6.1.4 BEDROCK DEPOSITS - LEWES NODULAR CHALK, SEAFORD CHALK AND PORTSDOWN CHALK FORMATION (LECH)

The Chalk Bedrock (White Chalk Subgroup - Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation) was confirmed at each location that penetrated the superficial soils (BH1, BH5, BH10 and WS4).

The recovered deposits from the percussive drilling was described as a white gravelly Silt of Chalk becoming (recovered as) a silty Gravel of Chalk with depth within the 10 m maximum depth drilled. Clasts were considered weak low and medium density becoming moderately weak medium density white. Localised natural orange weathering / staining was occasionally noted on the deposits and occasional black rinded flint cobbles were recovered.

6.2 GROUNDWATER STRIKES DURING INVESTIGATION

Groundwater strikes during the ground investigations were recorded and are summarised in **Table 6-4**. Full details of groundwater strikes are also shown on the exploratory hole logs presented in **Appendix C.**

Table 6-4 – Observed Groundwater Strikes

Exploratory Hole	Depth of Strike (m bgl)	Strata of Strike	Comments
TP2	0.60	Made Ground	Considered near surface water ingress. Slow and stopped after 10 mins
TP2	1.80	Made Ground	-
WS2, WS2a, WS2b	0.35 to 0.40	Made Ground	Considered perched on buried concrete obstruction
WS7	0.40	Made Ground	Considered perched on buried concrete obstruction

6.3 MONITORED GROUNDWATER ELEVATIONS

Groundwater levels were monitored within installed monitoring wells on four occasions following the investigation. A summary of groundwater levels is presented in **Table 6-5** and graphical representation of the change in levels during the periodic monitoring to date in **Figure 8**.

Table 6-5 – Summary of Groundwater Levels During Monitoring

Exploratory Hole	Response Zone Stratum	Groundwater Level (m bgl)		Groundwater Level (m AOD)	
		Shallowest	Deepest	Minimum	Maximum
BH1	MG and BTFU	2.26	2.46	0.73	0.93
	LECH	1.84	2.55	0.64	1.35
BH2	BTFU	0.91	1.67	1.94	2.00
BH3	MG and BTFU	1.67	1.96	0.77	1.06
BH4	MG	Dry		-	-
BH5	MG	2.59	2.88	1.05	1.34
	LECH	2.72	4.35	-0.42	1.21
BH6	MG	2.47	1.28	2.47	3.1
BH7	MG and BTFU	1.28	1.53	*BH level not determined*	
BH8	MG and BTFU	1.58	1.69	1.12	1.23
BH9	MG, RBD and BTFU	2.39	2.44	0.64	0.69
BH10	MG	1.16	1.2	1.66	1.70
	LECH	1.68	2.05	0.81	1.18

MG- Made Ground, RBD-Raised Beach Deposits, BTFU-Beach and Tidal Flat Deposits, LECH- Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation

Given the proximity of the site to the harbour data loggers were installed in five monitoring installation to allow the continuous groundwater level assessment within each strata with respect to the tidal fluctuations. The loggers were installed over a 2 day a period between 7th April 2021 and 9th April 2021, which encompassed 4 to 5 tidal cycles. **Figure 8** show the graphical representation of the change in water levels within each strata for the selected monitoring wells.

Figure 8 – Continuous Groundwater Monitoring Beneath Site 48hrs (m AOD)

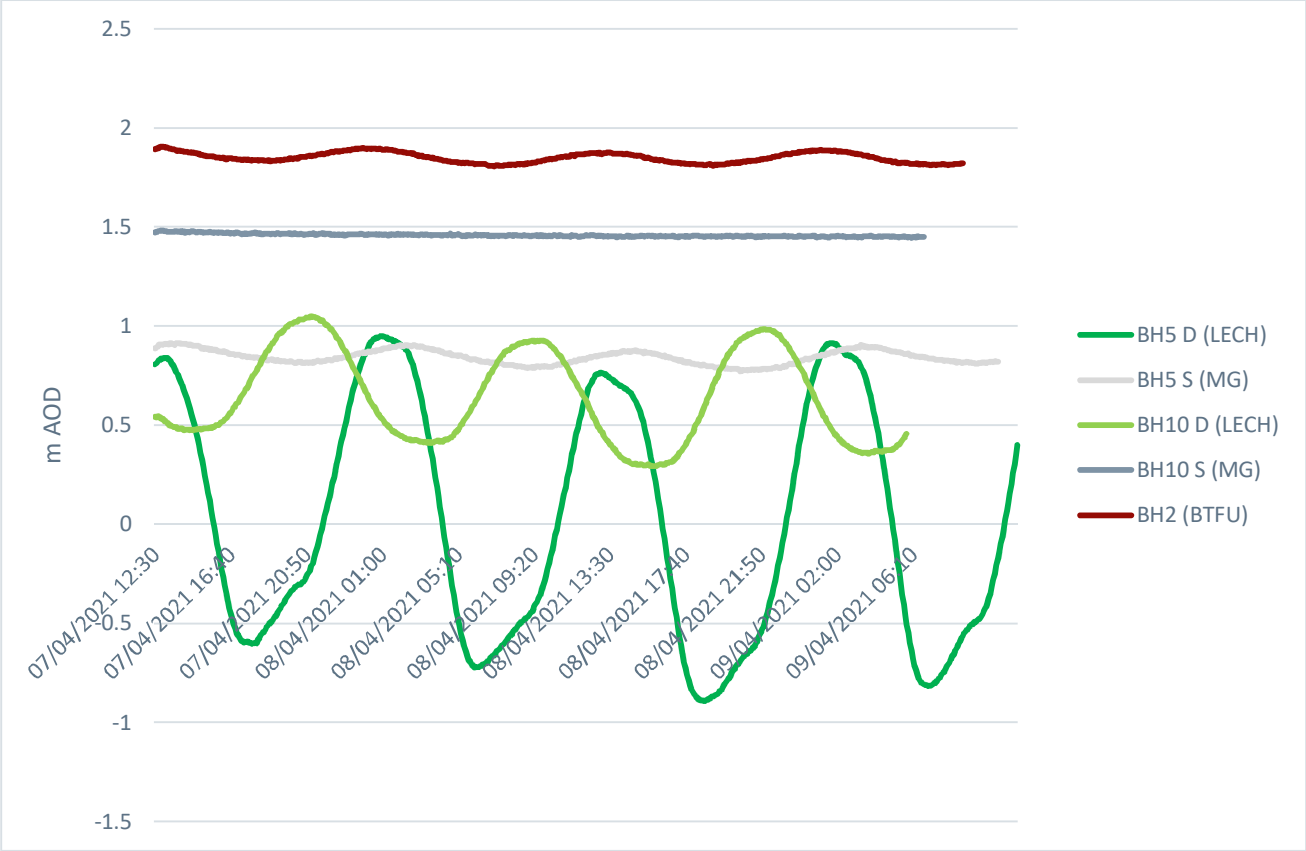

Figure 8 shows that, with the exception of the shallow water body within the Made Ground found in BH10 (BH10 S), water levels changes within water bodies found within the Made Ground (MG), Superficial -Beach and Tidal Flat Deposits (BTFU) and bedrock Chalk (LECH) are as a result of changing tides. Greater tidal influence is observed within the deeper Chalk aquifer water bodies. The monitoring data also shows a slight lag in the tidal cycles between BH5 and BH10, this is considered to be owing to the location of the monitoring wells on site. BH5 is located to the north on Tipner Point surrounded by the sea on three sides and BH10 is located to the south east corner of the site adjacent to the M275 with the sea to the north east.

6.4 UPDATED HYDROGEOLOGICAL MODEL

Based on the soil and groundwater monitoring data obtained, the superficial marine and Chalk deposits are in continuity and waters within both influenced by tidal fluctuations. Continuous groundwater level data logging of the respective groundwater in each deposit. Given the depth of Made Ground proven the Made Ground soils are also considered to be in continuity with the underlying soils, with some isolated perched groundwater bodies within the Made Ground, towards the periphery of the site's southern boundary (inland extent) as observed in BH10.

The groundwater flow direction is going to vary throughout the tidal cycle

Given the hydraulic continuity observed in groundwater bodies beneath the site and their tidal influence gradient and groundwater flow direction will vary throughout the tidal cycle. Given the site aspect, it is assumed at this stage that any land based groundwater discharge would eventually be off-shore.

7 CONTAMINANT RISK ASSESSMENT

7.1 HUMAN HEALTH RISK ASSESSMENT

7.1.1 RATIONALE

In the United Kingdom, the presence of contamination on a Site is generally only of concern if an actual or potentially unacceptable risk exists. Legislation and guidance on the assessment of contaminated sites, consistent with the European Union best practice, acknowledges the need for a tiered risk-based approach. This report represents a Generic Quantitative Risk Assessment (GQRA), being a comparison of site contaminant levels against highly conservative standards and compliance criteria including an assessment of the risk using the source-pathway-receptor model.

WSP has derived a set of Generic Assessment Criteria (GAC) for the CLEA generic land use scenarios using the CLEA Workbook v1.071 Excel modelling tool.

The CLEA workbook does not currently have capacity to derive criteria to assess risks from the inhalation of vapours derived from contaminants dissolved in groundwater. Therefore, a set of groundwater GACs has also been derived using the Johnson & Ettinger (J&E) approach.

Target concentrations within indoor air are based upon the Health Criteria Values (HCV) for each substance. They are a function of receptor inhalation rates and occupancy periods, as defined by the conceptual exposure model.

Target soil vapour concentrations above the water table have been calculated by dividing the target concentration by the steady-state attenuation factor coefficient between soil and indoor air. The attenuation factor has been calculated in accordance with the Johnson & Ettinger model, presented within the Environment Agency Science Report SC050021/SR3 (2009). The air-water partition coefficient (K_{aw}) has been used to predict the partitioning behaviour of each chemical between soil pore water and air. Where the calculated GAC exceeds the solubility limit for the chemical, no GAC has been proposed.

Further details on the assumptions and methodologies adopted by WSP are presented in **Appendix C**.

Where appropriate, exceedances of GACs are compared against published Category 4 Screening Levels (C4SLs). These are only applicable for six compounds, namely arsenic, benzene, benzo(a)pyrene, cadmium, chromium VI, and lead. C4SL, are a set of generic screening criteria, which are more pragmatic, but represent a level of acceptable risk in the context of Part IIA of the 1990 Environmental Protection Act i.e. soil concentrations below a C4SL limit are considered to be 'definitely not contaminated' and pose at most a 'low level of toxicological concern'.

In assessing the risks to human health receptors, consideration has to be given to the depth of contaminant impacts and likelihood of exposure. Various guidance documents provide differing advice on this, as summarised below.

Environment Agency Report SC050021/SGV Using Soil Guideline Values (2009):

- *"For the standard residential or allotment land use, the critical soil volume is the area of an individual garden, communal play area or working plot from the surface to a depth of between 0.5*

m and 1.0 m. This is the ground over which children are most likely to come into contact with soil or from which vegetable and fruit produce will be harvested."

Environment Agency Report SC050021/SR3 Updated Technical Background to the CLEA Model (2009):

- *"The generic CLEA model assumes that the source of outdoor air contamination is present as a continuous layer from the surface to a depth of 1.0 m. This is broadly consistent with the conceptual model for the other direct contact exposure pathways including soil ingestion and dermal contact"*

Environment Agency Report SC050021/SR4 CLEA Software (Version 1.05) Handbook (2009):

- *"The CLEA software assumes that the contaminant source is uniformly distributed from the soil surface to a depth of at least one metre in open ground."*
- *"The assumption in the development of SGVs is that soil contamination is uniformly distributed across the site from the surface to a depth of at least one metre. This is consistent with the conceptual model for the other direct contact exposure pathways including soil ingestion and dermal contact."*

WSP has given due consideration to the above references and has concluded as follows with regards to influencing depths:

- The SC050021/SR2 & SR3 references to 1.0 m influencing depth are predominately concerned with estimation of the vapour generation rates for volatile contaminants (for calculating screening criteria within the CLEA software), as opposed to an endorsement that depths up to a full metre would be contributing to direct contact, ingestion, and dust inhalation pathways. In terms of our assessments, WSP considers that for volatile contaminants, all depths have to be considered to have the potential to affect receptors; however, if these contaminants are present deeper than 1.0 m, then the risk assessment may require further refinement due to the CLEA assumptions.

The proposed land use will be commercial with no soft landscaping shown on the proposed development plan (**Appendix A)**. It is understood that the Site levels are likely to be increased across the Site.

Given the proposed end use, a commercial GAC was utilised for soils obtained from the Site.

Soil organic matter (SOM) content of the soil samples obtained from across the Site were highly variable, ranging from below the laboratory method detection limit (0.35 %) to 31.2 %, with an average of 3.1 %. However, given the high level of variability across the Site a SOM value of 1 % was utilised to generate conservative screening criteria.

To assess the risk to human health from vapours derived from groundwater, a commercial land use and a sand soil type were assumed to generate a GAC.

The following assessment is based on the proposed masterplan development (**Appendix A**). Any changes to the masterplan would require a re-assessment of the data and the risks associated with any updated development plan.

7.2 GENERIC QUANTITATIVE RISK ASSESSMENT – HUMAN HEALTH

A total of 122 soil samples were analysed for various soil contaminates from the WSP 2021 ground investigation works (54 samples) and the IKM 2006 ground investigation works (68 samples).

7.2.1 SOIL CONTAMINATION

Soil screening tables are presented in **Appendix D**.

From all the laboratory analysis of the soil samples retrieved from across the site, no soil samples are above the commercial GAC or Laboratory Method Detection Limit LMDL.

7.2.2 ASBESTOS

Sixty six soil samples were submitted for asbestos identification or asbestos screen during the WSP 2021 ground investigation (40 samples) and the IKM 2006 ground investigation (26 samples). Twelve soil samples had asbestos containing materials positively identified, these samples were subsequently submitted for quantification during the WSP investigation. The results of the testing is summarised in **Table 7-1**.

Table 7-1 – Summary of Asbestos Identification and Quantification Results

Exploratory Hole	Depth (m bgl)	Identification	Quantification (%)
BH10 (2021)	0.75	Chrysotile – Soil containing ACM debris	<0.001
HP1 (2021)	0.60	Chrysotile – Loose fibres in soil	0.003
TP2 (2021)	0.60	Chrysotile – Fibre bundle in soil	<0.001
TP3 (2021)	1.80	Crocidolite – Trace loose fibres in soil	<0.001
WS3 (2021)	0.30	Amosite - Fibre bundle in soil	0.0012
WS3 (2021)	1.00	Amosite - Loose fibres in soil Chrysotile – Soil containing ACM debris	0.005
WS3 (2021)	1.40	Amosite - Soil containing ACM debris	<0.001
WS5 (2021)	0.00-0.20	Chrysotile – Loose fibres in soil	<0.001
WS5 (2021) Bulk sample analysed	0.70	Chrysotile - Material typical of asbestos cement.	Not undertaken
WS7A (2021)	1.30-1.50	Chrysotile and Amosite – Loose fibres in soil.	Not undertaken
BHSY7 (2006)	1.00	Amosite - fibres detected	Not undertaken
BHSY8 (2006)	0.25-0.40	Chrysotile - fibres detected	Not undertaken

The asbestos containing materials were identified at various depths and locations in the Made Ground across the Site. These locations are shown on **Figure 5** (**Appendix A**)

Quantification testing was not undertaken on the samples obtained during the 2006 ground investigation works and the quantification testing undertaken during the 2021 WSP works were between <0.001% and 0.005%. Only three of the eight samples tested for asbestos quantification were noted as being above the detection limit with concentrations varying between 0.0012 and 0.005%.

A piece of asbestos cement was noted at the location of WS5/0.7 m in the western part of the Site.

There is considered to be no safe exposure limit for asbestos and given the nature of asbestos it may be present in other areas of the Site and would therefore pose a risk to human health.

7.2.3 GROUNDWATER VAPOUR

Eleven groundwater samples were obtained from new monitoring wells during the 2021 works.

The groundwater results have been compared against the GAC to assess the risk from vapour derived from dissolved contaminants in groundwater. The GAC assumed a future commercial land use and a sand soil type. The screening tables are presented in **Appendix D.**

All of the WSP groundwater results are below the GAC's for vapours derived from dissolved contaminants in groundwater.

7.2.4 SOIL VAPOUR

Vapour sampling using summa vacuum canisters was undertaken on 7 April 2021 from four selected shallow standpipe installations (refer to Appendix B.1 for the construction of the monitoring wells), to assess the vapour risk to future workers, on -site. The soil vapour laboratory results have been assessed against GAC derived for a commercial end use for assessment of risks to the future users of the site, with criteria for a sand soil matrix (conservative approach). No elevated concentrations of vapours above the GACsv were detected in the laboratory analysed samples. Full laboratory analytical certificates are presented in Appendix B.9.

The risk to future site users from soil vapour concentrations is considered to be **Very Low**.

7.2.5 RADIOLOGICAL INVESTIGATION

Matom Ltd was employed by WSP UK Ltd to provide a radiological survey that includes area walkover field measurement, radiological assurance monitoring during the Site Investigation works, with sampling for off-site radiological analysis.

The results of the Matom surveys confirm that there is a low probability of radiological contamination across this site given none of the areas sampled had levels of radiation above measured background levels for any of the exploratory holes, where samples were retrieved and analysed.

Results of the radiochemical analysis of the samples, combined with the infield surveys, indicate that there is no significant radiological contamination in the sampled areas in accordance with Environmental Permitting Regulations 2018 (EPR) and the National Planning Policy Framework (NPPF). No special measures need to be put in place for the handling, packaging, or disposal of radioactive materials associated with groundworks or site development.

A full copy of the report is presented in **Appendix F.**

7.2.6 HUMAN HEALTH RISK EVALUATION

Asbestos containing materials were identified in 12 Made Ground samples at nine locations on the Site, one of which recorded the presence of a piece of asbestos cement sheet. Given the heterogeneous nature of the Made Ground deposits and the former land uses identified at the Site, the presence of asbestos within Made Ground in other areas of the Site cannot be discounted and there is considered to be a **Moderate** risk to construction workers during the works. Future site users and potentially third-party neighbours are considered not to be at risk as the site is to be hard surfaced or beneath the footprints of commercial building footprints. If soft landscaping is recommended that a chemically validated capping layer and geotextile membrane is utilised within the area of soft landscaping to mitigate the risks. Following mitigation, the risks in unsealed areas is considered to be **Low**.

Based on the proposed masterplan, it is understood that the site levels may be increased and the whole site is to be hard landscaped or beneath building footprints.

The risk to future Site users and third-party neighbours from contaminants in soils is considered to be **Low** where building cover and hardstanding are proposed. Risks to third party neighbours during construction would need to be managed in line with asbestos guidance and an Asbestos Management Plan. The risk in areas of proposed soft landscaping are considered to be **Moderate**, prior to mitigation measures being utilised and **Low** after mitigation.

During the construction phases of the development, the risks to construction workers from contaminants and asbestos are considered to be **Moderate**. The risks should be managed through the appropriate use of PPE and RPE. Good construction practices (i.e. dust suppression, wheel washing) should be utilised to manage the risks to third party neighbours during construction phases. Guidance presented in CIRIA 733 “Asbestos in soil and made ground: a guide to understanding and managing risks” should be consulted when managing risks arising from asbestos.

Further site investigation will be required in areas where commercial activities were taking place on site in the following areas:

- Outside and inside the T J Waste transfer station;
- Demolition of boats and barges;
- Tipner point where a spud leg barge was being loaded /unloaded during this investigation;
- Where obstructions limited the investigation works being undertaken and,
- Storage of equipment/plant oils and workshop area in the magazine buildings.

7.3 GENERIC QUANTITATIVE RISK ASSESSMENT – CONTROLLED WATERS

7.3.1 RATIONALE

The generic controlled waters risk assessment was conducted in accordance with the principles of the EA ‘Remedial Targets Methodology: Hydrogeological Risk Assessment for Land Contamination’ 2006 and the ‘prevent and limit’ approach of the Water Framework Directive (2000/60/EC). Generic Controlled Waters risk assessments compare directly measured concentrations with standard assessment criteria.

Water Quality Standards (WQS) are selected based on both a hierarchy of relevance to England and the receptor. In this case, Controlled Waters receptors identified in the CSM was;

- Aquifers: Groundwater underlying the Site within the superficial Beach and Tidal Flat deposits (Secondary Undifferentiated) and deeper aquifers in the sold geology; Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations (Principal Aquifer); and,
- Surface water: Portsmouth Harbour Waters located adjacent to the boundaries of the Site.

According to the previous desk studies undertaken, the site is not in a groundwater source protection zone and there are no known abstraction points in the chalk within a 2 km radius of the site.

The following hierarchies of WQS were considered to be appropriate:

Surface Water

- Environmental Quality Standards (EQS) from The Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015.

Aquifers

- UK Drinking Water Quality Standards (DWS) from The Water Supply (Water Quality) Regulations 2000 (amended 2004);
- World Health Organisation Guidelines for Drinking Water Quality, Fourth Edition, Volume 1, (2011); and,
- World Health Organisation Petroleum Products in Drinking Water (2008).

Further details on the assumptions and methodologies adopted by WSP are presented in **Appendix B**.

The evaluation of the controlled waters is based on comparing the results against the EQS for coastal waters only as the site is surrounded by Portsmouth Harbour waters. Regarding DWS, there are no groundwater abstractions utilised for the abstraction of drinking water located within 2 km of the Site and given the that the tidal waters are in connectivity with those encountered in the Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation, it is considered unlikely that groundwater within this aquifer adjacent to the coast is of strategic value and therefore would not be utilised as a drinking water resource in the future. Based on the above, no assessment has been undertaken using DWS criteria.

7.3.2 SOIL LEACHATE

Eight soil samples of Made Ground were submitted for leachate analysis from the 2021 investigation to assess potential risks to Controlled Water receptors from soils underlying the Site. Previously an additional 5 soil samples were tested during the IKM 2006 investigation. Two of these were sampled in February 2006 and not analysed by the laboratory until June 2006, these results have not been included within the assessment below.

The screening tables are presented in **Appendix E**. It should be noted that the screening tables presented in **Appendix E** only presents data that were encountered above their respective laboratory detection limits.

Table 7-2 presents a summary of the potential contaminants of concern that were encountered above the WQS screening criteria.

Table 7-2 – Summary of Soil Leachate EQS Exceedances from the WSP 2021 and IKM 2006 Investigations

Analyte	Investigation	Min µg/L	Max µg/L	EQS µg/L	# EQS Exceeds
Cadmium	(WSP 2021)	<0.08	<0.08	0.2	0
	(IKM 2006)	<0.4	1.3	0.2	3
Copper	(WSP 2021)	< 0.3	12.1	3.76	4
	(IKM 2006)	5	26	3.76	3
Lead	(WSP 2021)	< 0.2	15.3	1.3	5
	(IKM 2006)	12	36	1.3	3
Zinc	(WSP 2021)	< 1	7.31	6.8	1
	(IKM 2006)	40	142	6.8	3

7.3.3 GROUNDWATER

Twenty-three groundwater samples were retrieved for chemical analysis overall (IKM 2006 12 samples from 7 monitoring wells) and (WSP 2021 – 11 samples from 13 monitoring wells).

Of the groundwater samples collected:

- Three samples (WSP investigation BH10 shallow and BH5 shallow, IKM investigation BHSY6) were collected from installations screened within the Made Ground;
- Ten samples (WSP investigation BH1 shallow, BH2, BH3, BH7, BH8 and BH9, IKM investigation BHSY7x2 and WSLF5x2) was collected from an installation screened across Made Ground and Beach and Tidal Flat Deposits;
- Seven samples (WSP investigation BH1 deep, BH5 deep and BH10 deep, IKM investigation BHSY4x2 and BHSY11x2) were collected from installations screened within the (Lewis Nodular Chalk Formation, Seaford Chalk Formation and Portsdown Chalk Formation); and,
- Three samples (IKM investigation BHSY1x2 and BHSY5B) were collected from installations screened within the Made Ground, Beach and Beach Tidal Flat deposits and (Lewis Nodular Chalk Formation, Seaford Chalk Formation and Portsdown Chalk Formation).

The screening tables are presented in **Appendix E**. It should be noted that the screening tables only presents data that were encountered above their respective laboratory detection limits.

Table 7-3 presents a summary of the potential contaminants of concern that were encountered above the WQS screening criteria.

Table 7-3 – Summary of Groundwater EQS Exceedances from the WSP2021 and IKM 2006 Investigations

Analyte	Investigation	No. of Samples	Min µg/L	Max µg/L	EQS µg/L	# EQS Exceeds
Arsenic	(WSP 2021)	11	<3	21.4	25	0
	(IKM 2006)	13	<1	75	25	5
Cadmium	(WSP 2021)	11	<0.08	1.61	0.20	1
	(IKM 2006)	13	<0.4	3.2	0.20	5
Chromium	(WSP 2021)	11	<3	<3	3.4	0
	(IKM 2006))	13	<1	28	3.4	9
Copper	(WSP 2021)	11	< 0.3	5.01	3.76	2
	(IKM 2006)	13	<1	47	3.76	3
Cyanide	(WSP 2021)	11	<5	70	1	1
	(IKM 2006)	2	<0.05	<0.05	1	0
Lead	(WSP 2021)	11	< 0.2	2.43	1.3	4
	(IKM 2006)	13	<1	3	1.3	3
Mercury	(WSP 2021)	11	<0.01	0.0127	0.07	0
	(IKM 2006)	13	<0.05	0.08	0.07	1
Nickel	(WSP 2021)	11	1.01	176	8.6	5
	(IKM 2006)	13	2	18	8.6	4
Zinc	(WSP 2021)	11	5.18	135	6.8	10
	(IKM 2006)	13	4	117	6.8	11

Analyte	Investigation	No. of Samples	Min µg/L	Max µg/L	EQS µg/L	# EQS Exceeds
Bis (2-ethylhexyl) phthalate)	(WSP 2021)	11	<2	2.78	1.30	1
	(IKM 2006)	0	-	-	1.30	-
Fluoranthene	(WSP 2021)	11	<1	<10	0.0063	0
	(IKM 2006)	13	<0.01	0.076	0.0063	1
Aromatics > EC12-EC16	(WSP 2021)	11	<10	15	2	1
	(IKM 2006)	3	<10	<10	2	0

** PAH 4 is the sum of the concentrations of Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene.*

7.3.4 LEACHATE RISK EVALUATION

The EQS exceedances relate to cadmium, copper, lead and zinc within Made Ground across the Site. The majority of the exceedances are relatively minor and are likely indicative of the Made Ground fill brought onto the Site during its commercial development.

The location of the leachate EQS exceedances are shown on **Figure 6 (Appendix A).**

The concentrations of contaminants during the more recent 2021 ground investigation works were generally lower (in some cases by an order of 2 magnitudes) when compared to the 2006 leachate analysis. Potentially this difference could be due to a change in the methodology of sampling and analysis during the two ground investigations.

7.3.5 GROUNDWATER RISK EVALUATION

Inorganics

The EQS exceedances of inorganics from the 2021 ground investigation relate to cyanide and the metals including cadmium, copper, lead, nickel and zinc. Zinc is noted as being the most widespread and identified in ten of the groundwater samples tested. These metals were also encountered in the 2006 investigation generally at higher concentrations along with arsenic, chromium and mercury. This may be a result of differing sampling methods or fluctuations in groundwater conditions. From the 2021 investigation the inorganic substance cyanide exceeded the EQS criteria at one location. This was localised to this location only and the concentrations are not reflected in proximal wells installed in the same strata's, where concentrations were below Laboratory Method Detection Limit (LMDL).

Organics

TPH's

There is only one EQS groundwater exceedance for TPH fractions, this is for aromatic EC12-EC16 retrieved from BH1 shallow monitoring well following sampling in 2021. A groundwater sample was

also obtained from the deeper Chalk strata at this location and the laboratory analysis recorded TPH concentrations below LMDL, and the aquifer had not been impacted by TPH. There were no TPH EQS exceedances from the three groundwater samples retrieved and analysed during the 2006 investigation works.

PAH's

Only one EQS exceedance for analyte for the PAH compound fluoranthene was reported within a groundwater sample retrieved from WSLF5 during the 2006 investigation works. A further groundwater sample was taken from this monitoring well two months later and was reported to be below LMDL for PAH's. Potentially the original PAH concentration maybe from drilling debris, when constructing the borehole.

Phthalates

There is also an EQS exceedance for bis(2-ethylhexyl) phthalate sampled from BH2 during the 2021 ground investigation works. This well is located towards the south boundary of the site in close proximity to the former MOD landfill site. All the other monitoring wells sampled and laboratory analysed reported concentrations below the laboratory limit of detection. Also no exceedances were encountered in the three groundwater samples analysed from the 2006 investigation.

The location of the groundwater EQS exceedances from both investigations are shown on **Figure 7** (**Appendix A**).

7.3.6 GROUNDWATER ASSESSMENT SUMMARY

Based on the assessment of the soil leachate and groundwater results, the overall risk to groundwater underlying the Site is considered to be **Low to Moderate.** Risk to the adjacent Portsmouth Harbour Waters from groundwater within the Made Ground, Tidal Flat Deposits and Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation underlying the Site is considered to be **Low to Moderate**.

This assessment is based upon the following:

- The leachate exceedances represent a risk from contaminants within Made Ground leaching down to the groundwater within the Made Ground, Tidal Flat Deposits and Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation and migrating laterally towards the tidal waters of Portsmouth Harbour. The whole of the proposed development includes hardstanding or building cover providing betterment, by restricting rainfall infiltration to the subsurface and therefore restricting the leaching of contaminants from shallow soils into the underlying groundwater.
- Although contaminant impact has been observed within groundwater within the Made Ground and tidal flat deposits this is generally not reflected within the Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation apart from concentrations of Zinc recorded above the EQS from the recent monitoring investigation works.
- The heavy metal groundwater concentrations recorded from the recent investigation are within two magnitudes of the EQS protective of coastal waters.
- Groundwater level monitoring indicates that it is tidally-influenced beneath the site.

7.4 GROUND GAS RISK ASSESSMENT

Ground gas monitoring of the wells installed during the historical and WSP 2021 works have been monitored on four occasions. A number of monitoring wells were found to have their response zones flooded during monitoring events, therefore, gas monitoring data from these wells has been discounted from the assessment as it is not considered to be representative of the ground gas regime underlying the Site.

Atmospheric pressure was recorded at the beginning and end of each monitoring round and are presented in **Table 7-4.** Included within the table are atmospheric pressure trends according to the Wunderground website, which has pressure data from a nearby weather station.

Table 7-4 – Atmospheric Pressure During Gas Monitoring Rounds

Round	Date	Atmospheric Pressure (Start)	Atmospheric Pressure (End)	Atmospheric Pressure Trend	Wunderground Atmospheric Pressure Trend
Round 1	04/03/2021	1024	1025	Rising	Steady
Round 2	11/03/2021	997	1000	Rising	Falling
Round 3	18/03/2021	1028	1027	Steady	Rising
Round 4	07/04/2021	1025	1024	Steady	Rising

* - Atmospheric Pressure could not be taken due to a faulty gas meter.

Gas Screening Values (GSV) have been calculated based on the ground gas data collected in accordance with CIRIA C665 guidance. The GSV is calculated for each monitoring well as the maximum flow rate multiplied by the maximum methane or carbon dioxide concentration. Where flow rate and/or methane/carbon dioxide concentrations have been encountered below the limit of detection of the instrument, a value of 0.1l/hr and 0.1% v/v have been used to calculate GSV, respectively. A summary of the ground gas data and calculated GSV are presented in **Table 7-5**. Full ground gas monitoring data is included in **Appendix B.10**

Table 7-5 – Ground Gas Summary and GSV

Exploratory Hole	Response Zone Strata	Maximum Flow (l/hr)	Maximum CH_4 (% v/v)	Maximum CO_2 (% v/v)	Methane GSV	Carbon Dioxide GSV
BH1	Made Ground and Beach and Tidal Flat Deposits	0.0	0.0	0.0	0.0	0.0
BH1	Chalk	Flooded				
BH2	Made Ground and Beach and Tidal Flat Deposits	Flooded				

Exploratory Hole	Response Zone Strata	Maximum Flow (l/hr)	Maximum CH_4 (% v/v)	Maximum CO_2 (% v/v)	Methane GSV	Carbon Dioxide GSV
BH3	Made Ground and Beach and Tidal Flat Deposits	0.0(0.1*)	0.0	0.3	0.0001	0.0001
BH4	Made Ground	0.0	0.0	0.3	0.0001	0.0003
BH5	Made Ground	0.0	0.0	2.5	0.0001	0.0025
BH5	Chalk	Flooded				
BH6	Made Ground	0.0	0.0	0.0	0.0001	0.0001
BH7	Made Ground and Beach and Tidal Flat Deposits	0.0 (7.0*)	0.0	0.2	0.0	0.0002
BH8	Made Ground and Beach and Tidal Flat Deposits	0.0	0.0	0.5	0.0001	0.0001
BH9	Made Ground, Raised Beach Deposits and Beach and Tidal Flat Deposits	0.0	0.0	0.5	0.0001	0.0005
BH10	Made Ground	0.0 (6.8*)	0.0	1.9	0.0001	0.0019
BH10	Chalk	Flooded				

()* - Gas flows were recorded only during the initial monitoring visit, which was completed just after the monitoring wells were constructed. The two highest readings were recorded in BH7 and BH10 where the response zones were partially flooded during this visit. The initial gas flow rates are considered to be owing to water movements after the wells were established and have been omitted from the gas screening value calculations as these have not been achieved during the rest of the monitoring period.

With respect to data suitability, CIRIA C665 recommends a minimum of six ground gas monitoring visits over a period of two months for sites with a low sensitivity end use and a low source generation. CIRIA C655 also recommends that ground gas monitoring is undertaken during low (<1000 mb) and falling pressure conditions since this is considered to represent a worst-case scenario.

During the monitoring period low concentrations of hydrogen sulphide 2 ppmV were recorded in several monitoring wells on the first monitoring visit. No further hydrogen sulphide readings were recorded above the gas meter's detection limit during the remaining three monitoring visits.

Carbon monoxide was not recorded above the gas meter's detection limit in any of the monitoring wells throughout the ground gas monitoring period.

Low oxygen concentrations were recorded in several monitoring wells throughout the monitoring period with the shallow installations at BH1 and BH5 generally recording the lowest reading at each visit.

The PID readings recorded during the monitoring period are generally very low and below 1 ppm.

Based on the monitoring data, a maximum GSV of 0.0001 l/hr was calculated for methane, and a maximum GSV of 0.0025 l/hr was calculated for carbon dioxide. These maximum calculated values are indicative of Characteristic Situation 1.

Based on the nature of the organic tidal flat deposits encountered towards the north east of the site further monitoring wells should target these deposits underlying the Site as these deposits are likely to have deep foundation placed through them.

Further ground gas monitoring and ground gas sampling is recommended when the site is not occupied.

7.5 PRELIMINARY POTABLE WATER SUPPLY PIPE ASSESSMENT

Available soil analytical data was compared to criteria from the UK Water Industry Research 'Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites' document.

Based on the available data and the preliminary assessment, barrier pipes are considered to be required if pipes are to be installed within Made Ground deposits. However, it should be noted that this is a preliminary assessment and any pipe design should be subject to the appropriate testing in service trenches and agreed with the relevant statutory authority.

The UKWIR document provides guidance on threshold values above which water supply pipes made of certain material may be at risk. Exceedances of the threshold values are summarised in **Table 7-6**. Based on the threshold concentrations for polyethylene (PE) pipe material, the concentrations of PAH in the soil across the Site may potentially pose a risk to water supply pipes. Such contaminants may degrade or infiltrate the pipe affecting the quality of the water. Elevated pH in several locations across the Site may also present corrosive conditions for copper pipes. Clean trenches and a barrier pipes are likely to be required for installation, the exact requirements should be agreed with the water supply company.

Table 7-6 - Details of Pipe Material Threshold Exceedances

Pipe Material	PE Pipe Material Threshold (mg/kg)	PVC Pipe Material Threshold (mg/kg)	Copper Pipe Material Threshold (mg/kg)	Minimum concentration on Site (mg/kg)	Maximum concentration on Site (mg/kg)
Benzo(a)pyrene (included within extended VOC suite)	0.5	0.125	N/A	<LOD	14.5
pH	N/A	N/A	> 5 or <8	8.09	11.6

8 REFINED CONCEPTUAL SITE MODEL

8.1 ON-SITE

Following the findings of the GQRA, the preliminary Conceptual Site Model (CSM) has been revised. A revised list of contaminant linkages is presented in **Table 8-1** and is based upon an evaluation of the potential sources, future receptors and the environmental setting of the Site.

Table 8-1 – Contaminant Linkages

Contaminant Linkage (CL)	Source	Pathway	Receptor	Comments
CL 1	Asbestos	Inhalation in areas of soft landscaping	Future Site users Construction / maintenance workers Third party neighbours	Asbestos containing materials were identified at eight exploratory hole locations on the Site, one of which recorded the presence of a piece of asbestos cement board. Given the heterogeneous nature of the Made Ground deposits and the former land uses identified at the Site, the presence of asbestos within Made Ground in other areas of the Site cannot be discounted. There is considered to be a **Moderate** risk to future Site users and third-party neighbours if areas of proposed soft landscaping are introduced into the final design. It is recommended that a chemically validated capping layer and geotextile separating membrane is utilised within the area of soft landscaping following the reduction in Site levels, to mitigate the risks. Following mitigation, the risks in unsealed areas is considered to be **Low**. The risk to construction / maintenance workers and third-party neighbours during construction phases of the development are considered to be **Moderate** and require management through appropriate risk assessment and control measures. It is recommended that a chemically validated capping layer and geotextile separating membrane is installed above the current made ground to warn follow on construction or maintenance works that there is Asbestos contaminated Made Ground beneath the site.
CL 2	Metals in soils	Vertical and lateral	Groundwaters beneath the Site	Heavy metals; copper, lead, and zinc were reported above their EQS criteria within Made Ground across the Site from both site investigations

Contaminant Linkage (CL)	Source	Pathway	Receptor	Comments
		leaching form impacted soils.	(Principal Chalk Aquifers)	with cadmium recorded above the EQS in the three samples analysed from the 2006 site investigation works The leachate exceedances represent a risk from contaminants within Made Ground leaching to the groundwater within the Made ground and tidal flat deposits and potentially migrating downwards or laterally towards the Portsmouth Harbour waters. Although contaminant impacts have been observed within groundwater within the Made Ground and tidal flat deposits this is generally not reflected within the deeper Chalk deposits apart from concentrations of Zinc have been recorded above the EQS. The majority of the proposed development includes hardstanding or building cover, restricting rainfall infiltration to the subsurface and therefore restricting the leaching of contaminants from shallow soils into the underlying groundwater. Given the majority of the exceedances are relatively minor and are likely to be indicative of the made ground fill brought onto site. The risk to the Principal Aquifer within the Chalk deposits from contaminants leaching from impacted soils is considered to be **Low to Moderate**.
CL 3	Dissolved metals, hydrocarbons and inorganics in groundwater	Vertical and lateral migration within groundwater	Portsmouth Harbour Waters	Heavy metals; cadmium, copper, lead, nickel and zinc were reported above their EQS criteria from groundwater retrieved and analysed from the Site from both site investigations. Additionally, arsenic, chromium and mercury were recorded above the EQS in groundwater samples analysed from the 2006 site investigation works. There have also been some sporadic EQS exceedances of Bis (2-ethylhexyl) phthalate), fluoranthene and Aromatics > EC12-EC16, Although contaminant impact has been observed within groundwater within the Made Ground and tidal flat deposits, this is generally not reflected within the Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation apart from concentrations of Zinc recorded above the EQS during the recent monitoring investigation works.

Contaminant Linkage (CL)	Source	Pathway	Receptor	Comments
				The heavy metal groundwater concentrations recorded from the recent investigation are within two magnitudes of the EQS protective of coastal waters. Groundwater level monitoring indicates that it is tidally-influenced beneath the site. The risk to adjacent Portsmouth Harbour waters is currently considered to be **Low to Moderate**.
CL 4	Contaminants in soils	Direct contact with impacted soils	Future below ground services (e.g. potable water supply pipes) Future building structures	Based on the available data and the preliminary assessment, barrier pipes are considered to be required if pipes are to be installed within Made Ground deposits. However, it should be noted that this is a preliminary assessment and any pipe design should be subject to the appropriate testing in service trenches and agreed with the relevant statutory authority A further geotechnical site investigation is to be undertaken in the future which will determine the Concrete classification in regards to aggressive ground conditions. Further assessment is required on the remaining former MOD buildings to establish if the fabric of the building maybe contaminated with explosive residues and additional sampling maybe required.
CL 5	Made Ground and Hydrocarbons	Migration of ground gas and volatile vapours.	Future Site users Construction / maintenance workers Third party neighbours Future building structures	No exceedances were recorded from the gas vapour samples retrieved from site and analysed. Elevated concentrations of carbon dioxide, hydrogen sulphide has been noted on the Site. Low oxygen concentrations were also recorded in some of the monitoring wells and this risk will be required to be addressed construction/maintenance workers through appropriate use of CDM. Based on the preliminary findings, the Site is classified as Characteristic Situation 1, indicating no ground gas protection measures are likely to be required to mitigate the gas risk which is provisionally considered **Low**.

Contaminant Linkage (CL)	Source	Pathway	Receptor	Comments
				Further ground gas monitoring and targeting the natural organic tidal deposits is recommended in order to confirm if ground gas measures are required.

8.2 OFF-SITE

Based on the findings of the ground investigation and subsequent GQRA, a potential risk from off-site sources has been identified, details of which have been summarised in **Table 8-2.** All of the other off-site

Table 8-2 – Assessment of Off-Site Sources

Source	Pathway(s)	Receptor(s)	Comments
Historical and current industrial / commercial land use including MOD asbestos landfill	Inhalation of windblown dust and asbestos fibres.	Future Site users Construction / maintenance workers	Asbestos containing materials were identified at eight locations on the Site across both site investigations Given the heterogeneous nature of the Made Ground deposits, former land uses identified to the south of the Site and unclear historical boundary between areas W2 and W4, the presence of asbestos within Made Ground in other areas of the Site cannot be discounted. Therefore, there is considered to be a **Moderate** risk to future Site users and workers if areas of proposed soft landscaping are to remain in adjacent land parcels such as W4, due to this area being immediately south of the study Site. If these areas are to be redeveloped, the risk of dust disturbance and site users being exposed to airborne fibres will be heightened and must be managed accordingly with risk assessment and control measures. No further contaminants were found in soils in exceedance of commercial GAC during the 2021 investigation, therefore the risk of contaminated dust migration from off-site sources is considered negligible.

Source	Pathway(s)	Receptor(s)	Comments
	Migration of ground gas and volatile vapours	Future Site users Construction / maintenance workers Future building structures	BH2 and BH10 are located adjacent to the south boundary of the site adjacent to the outer reaches of the former MOD Landfill site. No significant landfill gases were recorded but additional monitoring points will require establishing in the building currently used as a waste transfer station. The landfill has been recently capped and surfaced with asphalt, which may alter the local ground gas regieme.Based on the findings to date, the Site is classified as Characteristic Situation 1, indicating no ground gas protection measures are likely to be required to mitigate gas risk. Further ground gas monitoring and targeting the natural organic tidal deposits is recommended in order to confirm if ground gas measures are required. Thus far, there is currently no indication that elevated ground gas and/or vapours are migrating onto Site via off-site sources, and the risk can be provisionally considered **Low**.
	Migration of impacted groundwaters	Groundwaters beneath the Site (including Principal Chalk Aquifer)	EQS leachate and groundwater exceedances have been identified on site, and previous investigations have identified contamination in groundwaters. Given the widespread presence on site and in the surrounding areas of made ground soils of likely highly variable composition, the site and surrounds' history of industrial and MOD land uses, and the likelihood that superficial and bedrock aquifers are in hydraulic continuity in the region, the origin of contamination in on-site groundwaters is not currently defined. The risk is considered to remain **Low to Moderate**.

9 PRELIMINARY WASTE ASSESSMENT

A preliminary waste classification of selected soil samples within the Made Ground and Beach and Tidal Flat Deposits was undertaken using the HazWasteOnline[tm] software tool. WSP has assumed a worst-case scenario to provide an indicative assessment of the material that will be excavated during the development. The waste classification report is presented in **Appendix F**.

Of the fifty soil samples submitted for assessment from the 2021 site investigation, eight samples were assessed as being hazardous with one noted as potentially hazardous. All samples assessed as being hazardous were from Made Ground strata. Hazardous samples are summarised in **Table 9-1** below.

Table 9-1 – Summary of Hazardous Samples

Exploratory Hole	Depth (m bgl)	Hazardous Property
BH3	0.85	HP8 Corrosive
HP1	0.60	HP3(i) Flammable HP7 Carcinogenic HP11 Mutagenic
TP1	0.70	HP3(i) Flammable HP7 Carcinogenic HP11 Mutagenic
TP2	0.60	HP3(i) Flammable HP7 Carcinogenic HP11 Mutagenic
TP3	0.30	HP3(i) Flammable HP7 Carcinogenic HP11 Mutagenic
WS2A	0.30 – 0.50	HP3(i) Flammable HP7 Carcinogenic HP8 Corrosive HP11 Mutagenic
WS3	0.30	HP3(i) Flammable HP7 Carcinogenic HP11 Mutagenic HP14 Eco toxic
WS5	0.50	HP3(i) Flammable HP7 Carcinogenic HP11 Mutagenic

It should be noted that the hazardous property within BH3 is likely to be due to the presence of concrete within the sample and has caused an elevated pH reading.

WS1 has been identified as potentially hazardous due to the presence of 2,4,6-trinitrotoluene (TNT). It is considered that due to the minor concentrations encountered this is unlikely to be hazardous however, greater concentrations may be present across the site. Therefore, additional testing may be required.

Asbestos was detected in thirteen samples analysed from both investigations (BH10, 0.75 m bgl; HP1, 0.60 m bgl; TP2, 0.6 m bgl; TP3, 1.8 m bgl; WS3, 0.3 m bgl; WS3, 1.0 m bgl; WS3, 1.40 m bgl; WS5, 0.0-0.2 m bgl; WS5, 0.7 m bgl; WS7A, 1.3-1.5 m bgl; BHSY7, 1.0 m bgl; and BHSY8, 0.25/40 m bgl;).

Should soils be retained on site in their current condition then the site owner has a duty of care under the Control of Asbestos Regulations (2012) to implement an asbestos management plan.

Based on the data received there is an asbestos quantification of <0.1% w/w where undertaken. If there is intent to discard the soil (i.e. remove the soil from site) then the material would be classified as non-hazardous on the basis of asbestos, liaison with a waste broker / receiving landfill regarding acceptance criteria will be required.

Please note there is the potential for more significant deposits of waste asbestos containing materials to be present within the more recently placed Made Ground (either between the former platforms or above the original platforms construction) across the development site, which may reclassify the waste category.

A Materials Management Plan (MMP), in accordance with CL:AIRE Definition of Waste: Code of Practice or similar, should be implemented if site won material is required for re-use on site and to minimise the quantity of material requiring off-site disposal.

It should be noted that the above assessment is preliminary and only provides an indication of the likely waste category. The waste producer must also undertake their own classification of material for off-site disposal.

Any waste accepted to a landfill is at the landfill operator's discretion based on the requirements of the licence and further testing will be required. Further testing for waste classification and Waste Acceptance Criteria (WAC) testing is likely to be required by the waste producer to confirm the type of landfill this material can be disposed at (i.e. inert, non-hazardous or hazardous).

10 CONCLUSIONS

10.1 SITE SETTING

The Site is an approximate 1.9 hectares (Ha) triangular peninsular into the tidal Tipner Lake. Since the start of the 19th Century the site was historically referred to as Tipner Point Magazine and with the construction of the magazine building (ammunition storage); shifting house (temporary ammunition storage); a cooperage (making of wooden casks, buckets, tubs, metal staves); a guard room/engine house; and a civil watch/office as part of the wider magazine/artillery site. By the 1930's significant amount of development has taken place including the addition of a railways/tramways between docks and the magazine, shifting house and cooperage.

Tipner Point was sold by the MOD in 1965 to Trafalgar Wharves Ltd (owned by John Henry Pounds [JHP]) and was merged into joint ownership with the adjacent Scrapyard. Between approximately 1965 and 1968, the current north-west end of the site was formed by land-reclamation mostly involving infilling with construction/demolition rubble sourced from the local area

By the 1970's the area was used primarily for breakage of ships, submarines and other military vehicles/structures with LaFarge Aggregates operating at Tipner Point from approximately 1990 until at least 2013 (when the LE report was written) and used of receiving, processing and distributing sands, gravels and cement to the construction industry.

Today the site is currently occupied by Pounds Marine and Shipping Salvage Yard, TJ Waste & Recycling, as well as various small areas let on the site used for boat storage / moorings and a scaffolding business.

Primary access to Site is via an unnamed road accessible at either end from Target Road and Twyford Avenue.

The geology underlying the site comprises superficial Raised Marine Deposits and Beach and Tidal Flats Deposits underlain by The White Chalk Subgroup (Lewes Nodular chalk Formation). The Beach and Tidal Flat Deposits are classified as a secondary undifferentiated aquifer, while the Chalk underlying the site is classified as a Principal Aquifer, although not within a groundwater source protection zone. The Made Ground is not designated by the EA.

There are no records of water abstraction in the vicinity of the site.

With the exception of the Harbour, there are no surface water bodies in the vicinity of the site.

10.2 SITE INVESTIGATION

An intrusive ground investigation was completed between 15 to 22 February 2021.comprising 10 cable percussive boreholes, 8 window sample locations, 3 trial pits and 1 hand excavated trial pit.

Visual and olfactory signs of contamination were observed at several locations during the investigation.

Following the 2021 intrusive investigation, ground gas monitoring was undertaken on four occasions at the time of writing this report and groundwater sampling was undertaken on one occasion. Relevant ground water and ground gas data from historical investigations of the site has been included in the assessment.

10.3 RISK ASSESSMENT

A Generic Quantitative Risk Assessment (GQRA) was undertaken considering the proposed commercial development plan and potential future receptors. Furthermore, a site-wide soil organic matter (SOM) of 1% was utilised in screening.

As detailed in Section 11 (Recommendations) below, further investigation is required to fully refine the risks posed to human health by certain features of the Site. Based on the findings of the assessment thus far, the following conclusions are made.

10.3.1 HUMAN HEALTH

The results of all laboratory analysis of soil samples retrieved from the most recent site investigation revealed no exceedances of the commercial GAC for chemical contaminants. Considering the results from all laboratory testing carried out on soils from the Site, including previous investigations, the risk to future Site users and third-party neighbours from contaminants in soils is considered to be **Low** due to current proposals for site-wide building cover and hardstanding. If soft landscaping is proposed in future this risk is considered to be **Moderate**, and **Low** after implementation of mitigation measures.

Asbestos containing materials were identified in 12 samples of Made Ground soils from 8 exploratory hole locations. Quantification of results from the most recent investigation revealed concentrations of <0.001 to 0.005%. Given the heterogeneous nature of the Made Ground deposits and the former land uses identified at the Site, the presence of asbestos within Made Ground in other areas of the Site cannot be discounted. The risks of asbestos in soil to future site users and third-party neighbours are considered **Low** due to current proposals for site-wide hardstanding surface cover, including the footprints of buildings. If soft landscaping is proposed in future this risk is considered to be **Moderate,** and **Low** after implementation of mitigation measures.

During the construction phases of the development, the risks to construction workers from contaminants and asbestos are considered to be **Moderate**. The risks should be managed through the appropriate use of PPE and RPE. Good construction practices (i.e. dust suppression, wheel washing) should be utilised to manage the risks to third party neighbours during construction phases. Guidance presented in CIRIA 733 “Asbestos in soil and made ground: a guide to understanding and managing risks” should be consulted when managing risks arising from asbestos.

The results of radiological surveys confirm that there is a low probability of radiological contamination across this site. Results of radiochemical analysis, combined with infield surveys, indicate no significant radiological contamination in the sampled areas in accordance with Environmental Permitting Regulations 2018 (EPR) and the National Planning Policy Framework (NPPF). No special measures need to be put in place for the handling, packaging, or disposal of radioactive materials associated with groundworks or site development.

10.3.2 CONTROLLED WATERS

Based on the assessment of the soil leachate and groundwater results, the overall risk to groundwater underlying the Site is considered to be **Low to Moderate**. Risk to the adjacent Portsmouth Harbour Waters from groundwater within the Made Ground, Tidal Flat Deposits and Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation underlying the Site is also considered to be **Low to Moderate**.

This assessment is based upon the following:

- The leachate exceedances represent a risk from contaminants within Made Ground leaching down to the groundwater within the Made Ground, Tidal Flat Deposits and Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation and migrating laterally towards the tidal waters of Portsmouth Harbour. The whole of the proposed development includes hardstanding or building cover providing betterment, by restricting rainfall infiltration to the subsurface and therefore restricting the leaching of contaminants from shallow soils into the underlying groundwater.
- Although contaminant impact has been observed within groundwater within the Made Ground and tidal flat deposits this is generally not reflected within the Lewes Nodular Chalk, Seaford Chalk and Portsdown Chalk Formation apart from concentrations of Zinc recorded above the EQS from the recent monitoring investigation works.
- The heavy metal groundwater concentrations recorded from the recent investigation are within two magnitudes of the EQS protective of coastal waters.
- Groundwater level monitoring, including a spell on continuous automated level logging, has revealed the Site's groundwater to be tidally influenced.

10.3.3 GROUND GAS AND VAPOUR

All laboratory results for groundwaters indicated vapour levels below the GAC's derived from dissolved contaminants in groundwater.

Soil vapour sampling was undertaken from selected wells across the Site, No elevated concentrations of vapours above the GACsv were detected in the laboratory analysed samples.

Four rounds of ground gas monitoring in both historic and recent monitoring allowed derivation of a maximum GSV of 0.0001 l/hr for methane, and a maximum GSV of 0.0025 l/hr for carbon dioxide, collectively indicative of Characteristic Situation 1 in accordance with CIRIA Guidance.

Based on the nature of the organic tidal flat deposits encountered towards the north east of the site further monitoring wells should be installed to target and assess them due to likelihood of foundations be footed through them. Further ground gas monitoring and ground gas sampling is recommended when the site is not occupied and establish further wells along the south boundary adjacent to the former MOD landfill which has been recently capped and surfaced.

10.3.4 PRELIMINARY POTABLE WATER SUPPLY PIPE ASSESSMENT

Based on the available data and the preliminary assessment, barrier pipes are considered to be required if pipes are to be installed within Made Ground deposits. However, it should be noted that this is a preliminary assessment and any pipe design should be subject to the appropriate testing in service trenches and agreed with the relevant statutory authority.

11 RECOMMENDATIONS

Based on the findings of the GQRA, the following recommendations are made in order to mitigate potential risks associated with the potential contaminants of concern identified:

- Further site investigation will be required in areas where commercial activities were taking place on site in the following areas:
  - Outside and inside the building occupied by T J Waste;
  - Demolition of boats and barges;
  - Tipner point where a spud leg barge was being loaded /unloaded during this investigation;
  - Where obstructions limited the investigation works being undertaken and,
  - Storage of equipment/plant oils and workshop area in the magazine buildings.
- Further desk-based investigation of the history of the three remaining former military buildings on site is undertaken to establish if they are likely to be contaminated with explosive residues. This is likely to require sampling of the building fabric to see if it has been impacted by explosive residues along with the surface soils adjacent to these and former MOD buildings across the site.
- Asbestos containing materials have been noted as being present on the site. If site-won material is to be reused in the proposed development or construction activities are undertaken in the asbestos contaminated Made Ground. Asbestos management should be undertaken in accordance with the Control of Asbestos Regulations 2012;
- Asbestos containing materials have been identified on site which have the potential to have an impact on human health. Clean service corridors for buried services should be constructed with a high viz geotextile membrane chemically validated fill and or natural aggregates placed around the services is recommended to mitigate the risks to human health. It is also recommended that a chemically validated capping layer and geotextile separating membrane is installed above the current Made Ground to warn follow on construction or maintenance works that there is Asbestos contaminated Made Ground beneath the site.;
- A preliminary potable water pipe assessment indicated that barrier pipes may be required at the Site, however, further testing and assessment should be undertaken in consultation with utility providers;
- The concrete classification in regards to aggressive soil conditions is to be established in the future geotechnical site investigation across the site.
- The Site has been initially characterised as Characteristic Situation 1 with respect to ground gases. However, further investigation, of areas of the site where investigation could not take place owing to site operational activities and establish monitoring wells into the organic natural subsoils are required from a human health perspective. The ground gas and vapour risk should be re-assessed these works. Also, we are awaiting the gas vapour laboratory results from this investigation.
- A Remediation Strategy incorporating the recommendations should be produced which includes an options appraisal of the risks identified and the measures required to mitigate the risk.

Should development plans change or be altered, an update of the assessments undertaken within this report are likely to be required.

Appendix A

FIGURES AND DRAWINGS

Confidential

File: \\uk.wspgroup.com\central data\Projects\700645xx\70064592 - Tipner West Masterplan\03 WIP\GR Ground Risk and Remediation\02 CAD BIM Models\Figure 1 - Hole location Plan.mxd Drawn By: INSG01380 Date Modified: 17/03/2021

Legend

Site Boundary

Tipner Lake

MLW

Rock

Landing Stage (dis)

Tipner Point

MPsMPs

MLW

Pier

MPs

WB

WB

MP

Mooring Post

MLW

Ward Bdy

CCLW

Tipner PointTipner Point

Shingle

Mean High Water

Mean High Water

Mud

MHW

SM

Slipway

Slipway

Tank

Mean High Water

Mean High Water

WB

2.4m

0 9 18 27 36

Meters

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wsp

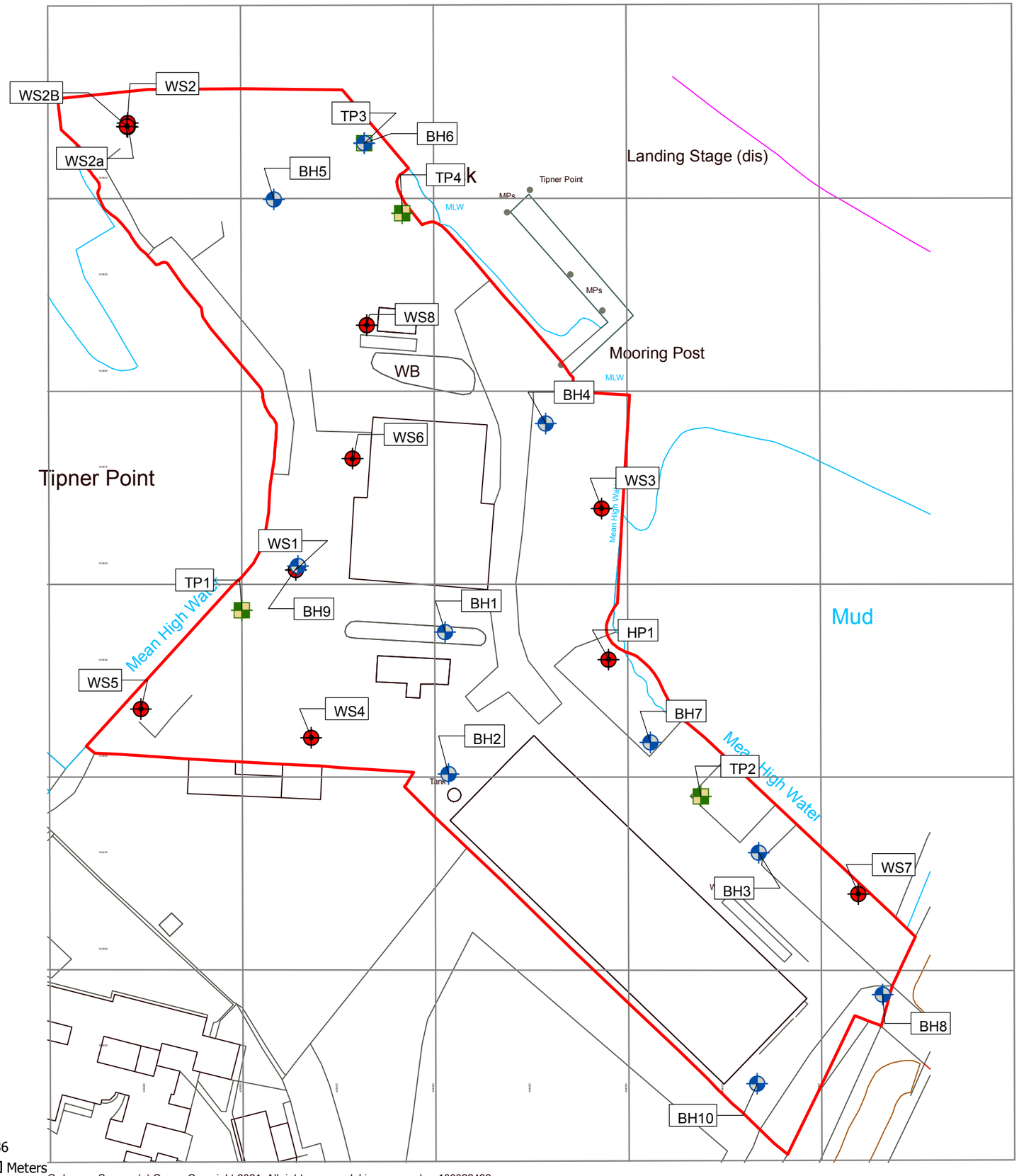
TITLE:

JHP LAND, TIPNER WEST
SITE LAYOUT PLAN

FIGURE No:

70067958 - FIGURE 2

File: \\uk.wspgroup.com\central data\Projects\700645xx\70064592 - Tipner West Masterplan\03 WIP\GR Ground Risk and Remediation\02 CAD BIM Models\Figure 2 – Site Layout.mxd Drawn By: INSG01380 Date Modified: 18/03/2021



Legend

Exploratory Holes

- Windowless sampler Borehole
- Trial Pit/trench
- Cable Percussion Borehole
- Site Boundary

0 9 18 27 36 Meters

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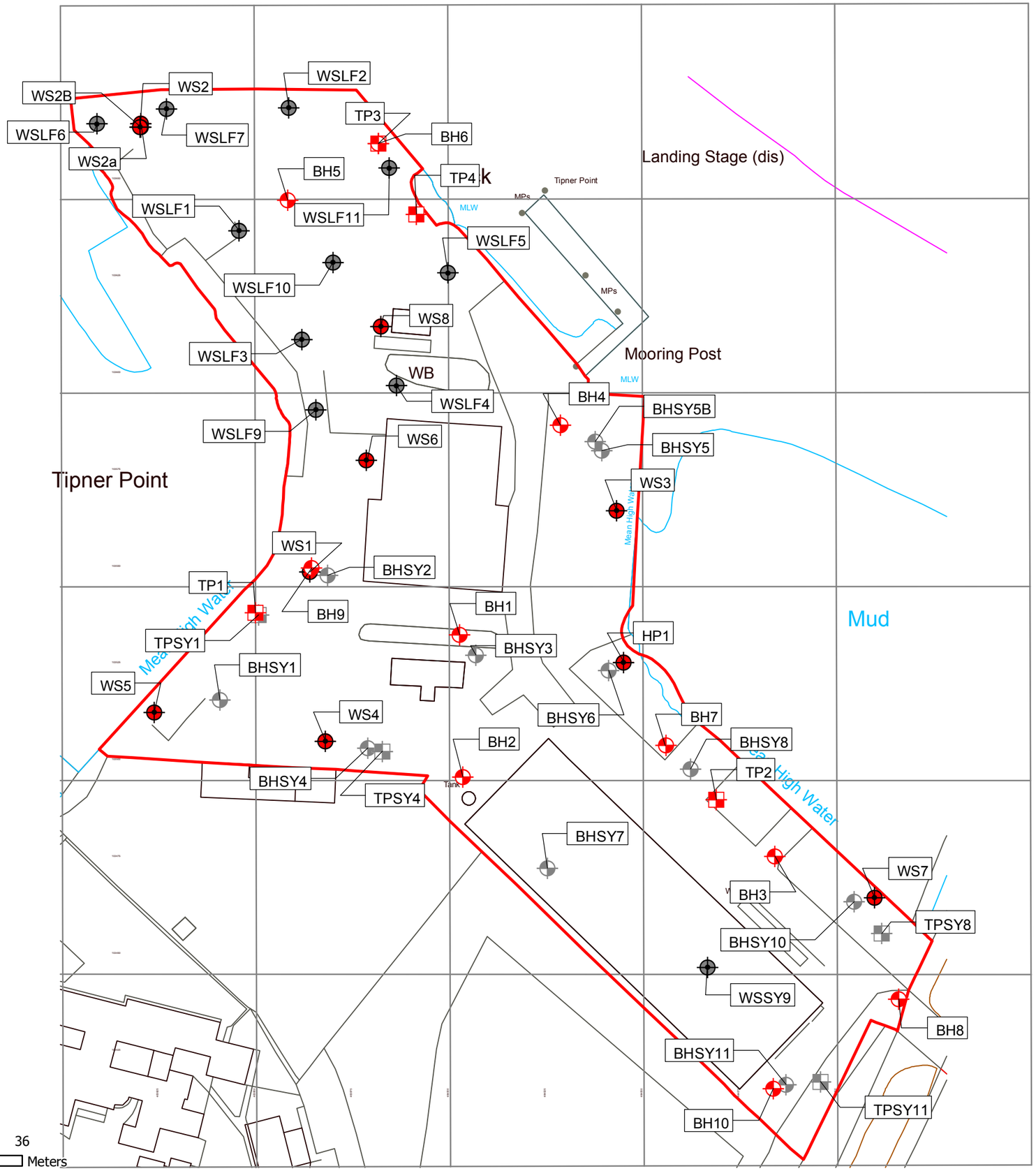
TITLE:

JHP LAND, TIPNER WEST EXPLORATORY HOLE LOCATION PLAN 2021 INVESTIGATION

FIGURE No:

70067958 - FIGURE 3

Date Modified: 22/03/2021
Drawn By: INSG01380
File: \\uk.wspgroup.com\central data\Projects\700645xx\70064592 - Tipner West Masterplan\03 WIP\GR Ground Risk and Remediation\02 CAD BIM Models\Figure 3- Hole location Plan 2021 Investigation.mxd



Legend

Exploratory Holes 2021

- Windowless Sampler Borehole
- Trial Pit/trench
- Cable Percussion Borehole

Exploratory Holes 2006

- Cable Percussion Borehole
- Trial Pit/trench
- Windowless Sampler Borehole

Site Boundary

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0 9 18 27 36 Meters

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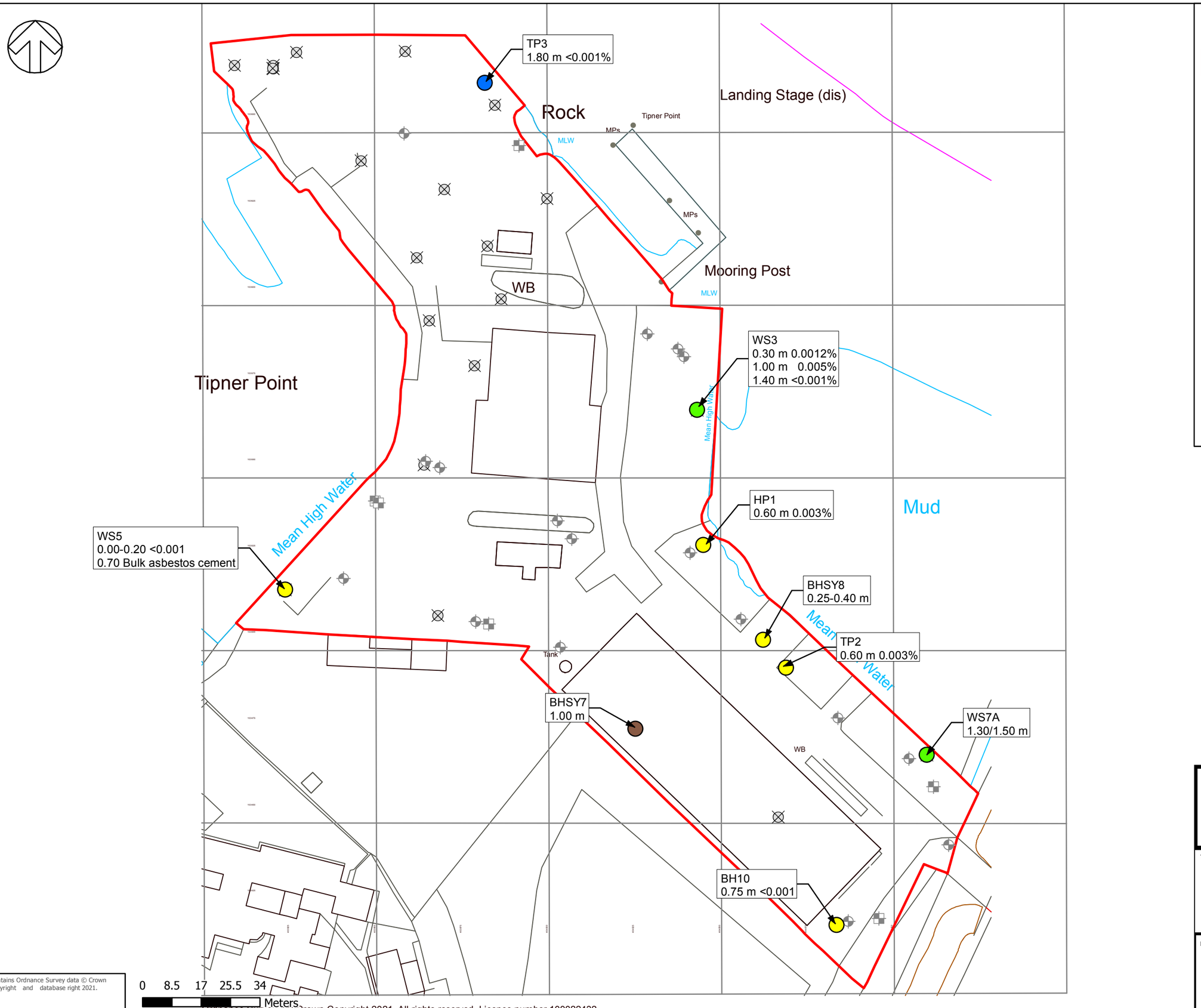
TITLE:

JHP Land, Tipner West
Exploratory Hole Location Plan
2021 and 2006 Investigation

FIGURE No:

70067958 - FIGURE 4

File: \\uk.wspgroup.com\central data\Projects\700645xx\70064592 - Tipner West Masterplan\03 WIP\GR Ground Risk and Remediation\02 CAD BIM Models\Figure 4- Hole location Plan 2021 & 2006 Investigation.dwg Date Modified: 22/03/2021



Legend

- Site Boundary

Positive Identified Asbestos Locations

- Amosite
- Chrysotile
- Chrysotile and amosite
- Crocidolite

Exploratory Holes 2006 & 2021

- CP
- HP
- TP
- WLS

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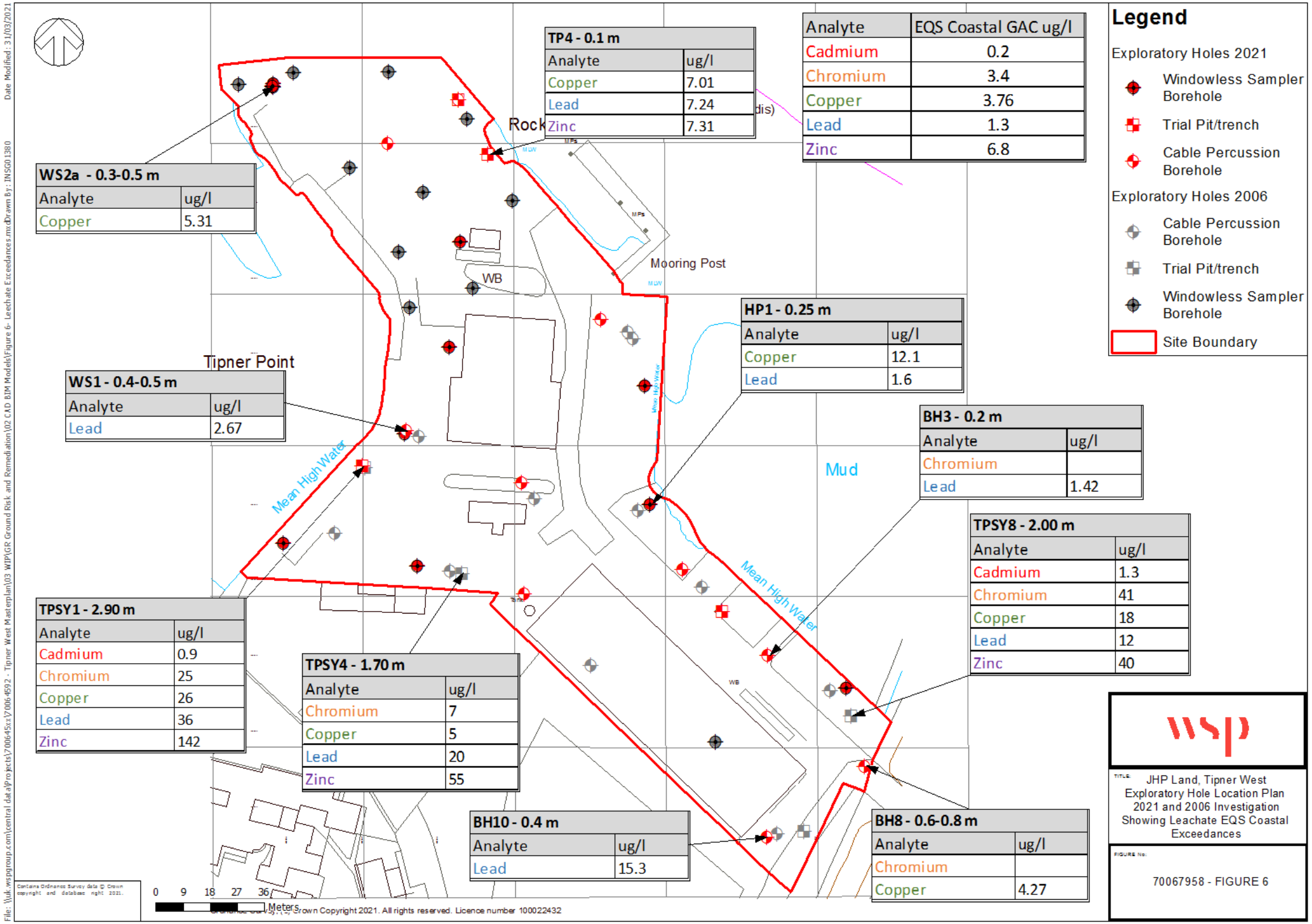
TITLE:

JHP Land, Tipner West
Exploratory Hole Location Plan
Showing Asbestos and
Quantification Results

FIGURE No:

70067958 - FIGURE 5

File: \\uk.wspgroup.com\central data\Projects\700645xx\70064592 - Tipner West Masterplan\03 WIP\GR Ground Risk and Remediation\02 CAD BIM Models\Figure 5 - Asbestos Plan.mxd Drawn By: INSG01380 Date Modified: 26/03/2021


Legend
Exploratory Holes 2021
Windowless Sampler Borehole
Trial Pit/trench
Cable Percussion Borehole
Exploratory Holes 2006
Cable Percussion Borehole
Trial Pit/trench
Windowless Sampler Borehole
Site Boundary
Analyte | EQS Coastal GAC ug/l
Cadmium | 0.2
Chromium | 3.4
Copper | 3.76
Lead | 1.3
Zinc | 6.8
TP4 - 0.1 m
Analyte | ug/l
Copper | 7.01
Lead | 7.24
Zinc | 7.31
WS2a - 0.3-0.5 m
Analyte | ug/l
Copper | 5.31
WS1 - 0.4-0.5 m
Analyte | ug/l
Lead | 2.67
HP1 - 0.25 m
Analyte | ug/l
Copper | 12.1
Lead | 1.6
BH3 - 0.2 m
Analyte | ug/l
Chromium |
Lead | 1.42
TPSY8 - 2.00 m
Analyte | ug/l
Cadmium | 1.3
Chromium | 41
Copper | 18
Lead | 12
Zinc | 40
TPSY1 - 2.90 m
Analyte | ug/l
Cadmium | 0.9
Chromium | 25
Copper | 26
Lead | 36
Zinc | 142
TPSY4 - 1.70 m
Analyte | ug/l
Chromium | 7
Copper | 5
Lead | 20
Zinc | 55
BH10 - 0.4 m
Analyte | ug/l
Lead | 15.3
BH8 - 0.6-0.8 m
Analyte | ug/l
Chromium |
Copper | 4.27
Rock
Mooring Post
WB
Tipner Point
Mean High Water
Mud
0 9 18 27 36
Meters
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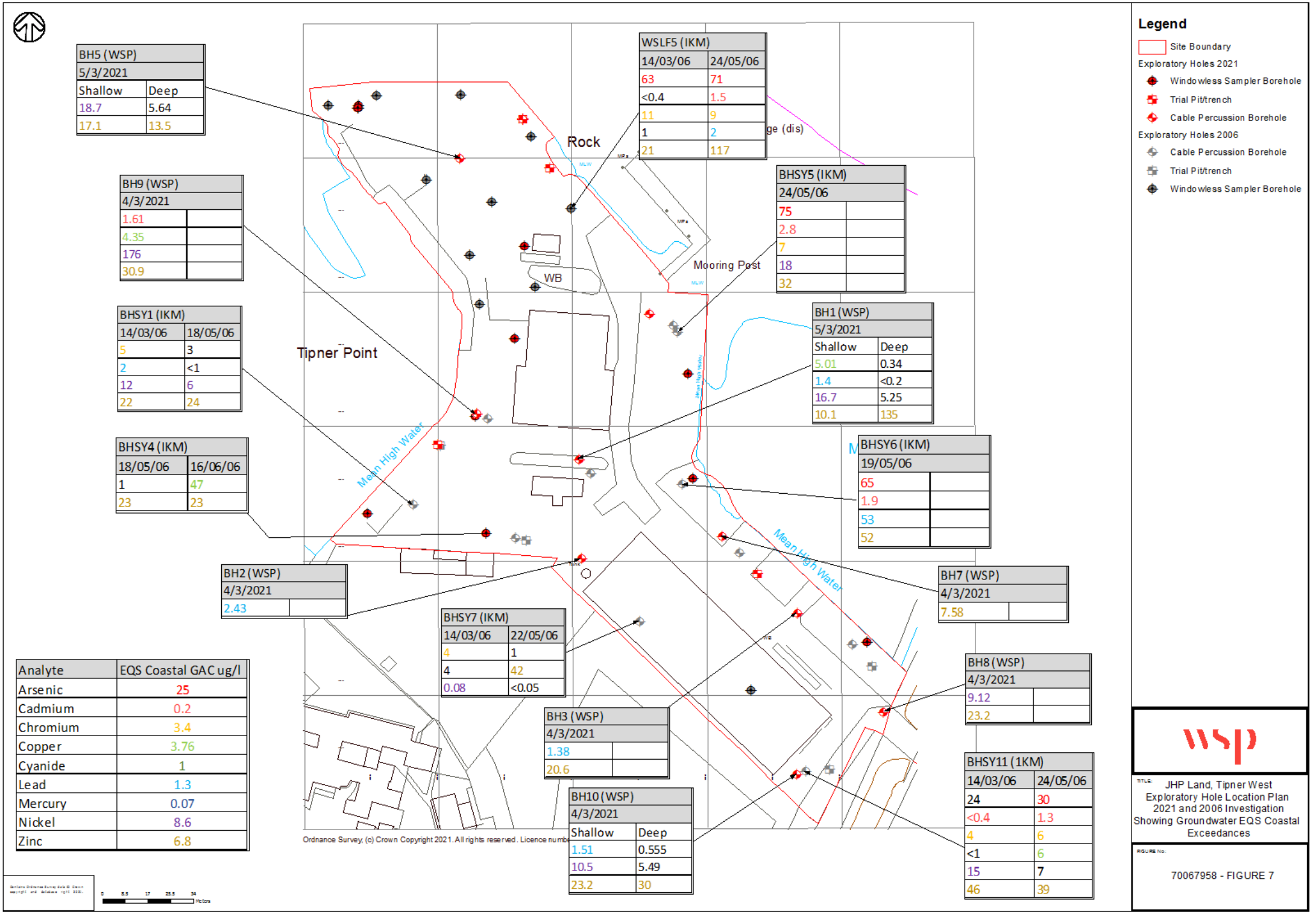
wsp
TITLE: JHP Land, Tipner West Exploratory Hole Location Plan 2021 and 2006 Investigation Showing Leachate EQS Coastal Exceedances
FIGURE No: 70067958 - FIGURE 6
File: \\uk.wspgroup.com\central data\Projects\70064592 - Tipner West Masterplan\03 WIP\GR Ground Risk and Remediation\02 CAD BIM Models\Figure 6- Leechate Exceedances.mxd Drawn by: INSG01380 Date Modified: 31/03/2021



Analyte	EQS Coastal GAC ug/l
Arsenic	25
Cadmium	0.2
Chromium	3.4
Copper	3.76
Cyanide	1
Lead	1.3
Mercury	0.07
Nickel	8.6
Zinc	6.8

Legend

- Site Boundary

Exploratory Holes 2021
- Windowless Sampler Borehole
- Trial Pit/trench
- Cable Percussion Borehole

Exploratory Holes 2006
- Cable Percussion Borehole
- Trial Pit/trench
- Windowless Sampler Borehole

wsp

TITLE: JHP Land, Tipner West Exploratory Hole Location Plan 2021 and 2006 Investigation Showing Groundwater EQS Coastal Exceedances

FIGURE No: 70067958 - FIGURE 7

Appendix B

FACTUAL DATA

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Appendix B.1

INVESTIGATION METHODOLOGY

Confidential

Investigation Methodology, Monitoring and Laboratory Testing

The ground investigation was undertaken by WSP and comprised the following:

- 10 No. Cable-Percussion boreholes (BH1 to BH10) advanced to finals depths of 2.00-10.00 m bgl;
- 8 No. Dynamic sampling windowless sample boreholes (WS1 to WS8) advanced to final depths of 0.25-4.50 m bgl;
- 4 No. Mechanically excavated Trial pits (TP1 to TP4) advanced to final depths of 0.80-1.80 m bgl; and,
- 1 No. Hand-excavated trial pit (HP1) advanced to a final depth of 0.60 m bgl.

All exploratory holes and sampling strategies were advanced and completed by approved subcontractors, DJ Drilling Limited, under the direct supervision of WSP, in accordance with the works package and those instructions included within the appropriate permit to work.

All efforts were made to minimise disturbance to JHP lands when advancing the exploratory holes on the site. Clean drilling methods were carried out in the deeper boreholes with a bentonite seal placed before reducing a clean casing through into the underlying chalk aquifer.

The locations of the exploratory holes are presented as **Figure 3** in **Appendix A**.

Exploratory boreholes BH1-BH10 were installed with standpipes with the following response zones:

Hole	Size/Type	Response Zone From m bgl	Response Zone To m bgl
BH1	50mm HDPE Standpipe	1.0	4.0
BH2	50mm HDPE Standpipe	8.0	10.0
BH3	50mm HDPE Standpipe	1.0	5.0
BH4	50mm HDPE Standpipe	1.0	5.0
BH5	50mm HDPE Standpipe	1.0	2.0
BH6	50mm HDPE Standpipe	2.0	5.0
BH7	50mm HDPE Standpipe	8.0	10.0
BH8	50mm HDPE Standpipe	1.0	3.3
BH9	50mm HDPE Standpipe	1.0	5.0
BH10	50mm HDPE Standpipe	1.0	5.0

The monitoring wells were completed with a flush steel cover at ground level. The exploratory hole logs are presented in **Appendices B.2, B.3, B.4**.

The exploratory holes were logged by Geo-Environmental Engineers from WSP in general accordance with BS 5930:2015 (+A1:2020)/ BS EN ISO 14688 & 14689 ‘Geotechnical

investigation and testing – Identification and classification of soil & rocks– Part 1: Identification and description', 2018. Small disturbed and bulk samples of the Made Ground and natural strata were recovered from the exploratory holes.

Soil samples were placed in containers appropriate for the type of laboratory analysis to be undertaken. The recovered soil samples for environmental chemical testing were stored in cool boxes chilled with ice packs to preserve sample integrity as far as reasonably practicable. The samples were transported to the laboratory under QA/QC controlled conditions employing a chain of custody system to ensure sample integrity prior to the laboratory testing.

A hand-held Photo-Ionisation Detector (PID) (fitted with a 10.6eV lamp) was used to provide an indication of the presence of volatile compounds within obtained soil samples. The PID results are presented on the exploratory hole logs included within the WSP Ground Investigation Factual Report (dated February 2021).

GAS AND GROUNDWATER MONITORING

Well development was undertaken on 25th February 2021 prior to any monitoring works. Where suitable recharge occurred a minimum of three well volumes of water was removed from each well utilising a submersible pump.

Four ground gas monitoring visits were scheduled for this site and carried out post drilling works between 5th and 7 April 2021. Measurements of concentrations of methane, carbon dioxide, oxygen, carbon monoxide and hydrogen sulphide were taken using a calibrated GFM 436 Gas Analyser. Atmospheric pressure and gas flow rates were also recorded on each occasion.

If water was encountered in the standpipes a water level reading was also recorded. Groundwater sampling was undertaken on one occasion (5th March 2021) using low-flow methods.

Four vapour samples were retrieved from selected monitoring wells during the fourth monitoring round.

The results of the ground gas / groundwater level monitoring data to date are presented in **Appendix B.10**.

CHEMICAL LABORATORY TESTING

As part of the assessment for potential contamination at the site, soil samples were subjected to appropriate chemical analysis based on the findings of the site works. This analysis was carried out at ALS an MCERTS/UKAS accredited laboratory.

The below outlines the analyses carried out on recovered soil samples. Asbestos tests were undertaken on samples of the near surface Made Ground materials. The remaining tests were undertaken on samples of natural subsoils.

Contamination Tests	No of Tests
Heavy Metals and Metalloids	**39**
Soil Organic Mater (SOM)	**39**

Speciated Polyaromatic Hydrocarbons (PAH)	43
Total Petroleum Hydrocarbons (TPH-CWG)	43
Phenols Speciated	43
pH	43
Asbestos ID Screening	40
Leachate (Metals and Metalloids)	8
Semi Volatile Organic Compounds (SVOC)	43
Volatile Organic Compounds (VOC)	16
Sulphate Total	39
Explosive residues	5
Tributyltin (Organotin Compounds)	7
Asbestos Quantification	5
Asbestos Bulk Identification	1

As part of the assessment for potential contamination at the site, groundwater samples were subjected to appropriate chemical analysis based on the findings of the site works. This analysis was carried out at ALS an MCERTS/UKAS accredited laboratory.

The below outlines the analyses carried out on recovered groundwater samples.

Contamination Tests	No of Tests
Heavy Metals and Metalloids	11
Speciated Polyaromatic Hydrocarbons (PAH)	11
Total Petroleum Hydrocarbons (TPH-CWG)	11
Phenols (Monohydric)	11
pH	11
Semi Volatile Organic Compounds (SVOC)	11
Volatile Organic Compounds (VOC)	11
Sulphate Total	11
Tributyltin (Organotin Compounds)	11

As part of the assessment for potential contamination at the site, vapour samples were subjected to appropriate chemical analysis based on the findings of the site works. This analysis was carried out at ALS an MCERTS/UKAS accredited laboratory.

The below outlines the analyses carried out on recovered vapour samples.

Contamination Tests	No of Tests
Total Petroleum Hydrocarbons (C4 to C12)	4
Volatile Organic Compounds (VOC)	4

No geotechnical testing was undertaken under the scope of this investigation.

Appendix B.2

BOREHOLE LOGS

Confidential

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH1**
	Project JHP Site, Tipner West	Sheet 1 of 2
Job No 70067958	Client Portsmouth City Council	Date 15-02-21 15-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 464002.32 N 103531.93	3.19

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
0.10	ES		0				2.99	0.20	Dark brown slightly gravelly silty fine to coarse SAND. Gravel is fine and medium angular to subrounded of flint. (TOPSOIL)			
								(1.00)	Red COBBLES. Recovered as : red brick with lime mortar. Old brick foundation. (MADE GROUND)		GMG	
							1.99	1.20				
							1.79	1.40	CONCRETE. Recovered as: concrete with round gravel.		CONC	
								(0.60)	Grey silty gravelly fine to coarse SAND. Gravel is fine to coarse rounded of flint And low flint cobble content. (MADE GROUND)		GMG	
							1.19	2.00				
2.00-2.20	ES		0					(1.70)	Soft grey gravelly CLAY. DRLLER NOTES: Soft grey ALLUVIUM and gravel. (BEACH AND TIDAL FLAT DEPOSITS)		BTFU	
							-0.51	3.70				
3.70-4.00	ES		0					(1.10)	Light brown and cream slightly gravelly clayey SILT. Gravel is fine and medium rounded of chalk. (BEACH AND TIDAL FLAT DEPOSITS).		BTFU	
							-1.61	4.80				
								(1.20)	Light grey sandy silty fine to coarse rounded GRAVEL of flint With low round flint cobble content. (BEACH AND TIDAL FLAT DEPOSITS).		BTFU	
							-2.81	6.00				
							-3.01	6.20	Cream sandy clayey gravelly SILT. Gravel is fine and medium rounded of Chalk. (BEACH AND TIDAL FLAT DEPOSITS).		BTFU	
7.00	ES							(2.80)	Recovered as: structureless CHALK composed of cream gravelly SILT of CHALK. Chak Gravel clasts are white. (LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION) 8.00 Matrix is white		LECH	
							-5.81	9.00				
9.00	ES							(1.00)	Recovered as: structureless CHALK composed of white silty sandy GRAVEL of CHALK. Chak Gravel clasts are white. (LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION) 9.00 - 10.00 Nodular flint		LECH	
							-6.81	10.00				

Boring Progress					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth
15-02-21 16-02-21	18.00 18.00	6.30 6.30	6.30 6.30	200 200	6.20

Chiselling				Water Added	
From	To	Hours	Tool	From	To
0.2	1.2	03:00			

Water Strikes					
Date	Time	Strike	Minutes	Standing	Casing

General Remarks

Hole terminated at 10.0m. Aquifer seal placed from 6.0m to 7.0m.

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH1**
	Project JHP Site, Tipner West	Sheet 2 of 2
Job No 70067958	Client Portsmouth City Council	Date 15-02-21 15-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 464002.32 N 103531.93	3.19

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
10.00	ES								End of Exploratory Hole		END	

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing

Chiselling				Water Added		General Remarks
From	To	Hours	Tool	From	To	Hole terminated at 10.0m. Aquifer seal placed from 6.0m to 7.0m.

Scale 1:62.5	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP BH LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH2**
	Project JHP Site, Tipner West	Sheet 1 of 1
Job No 70067958	Client Portsmouth City Council	Date 03-03-21 16-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 464003.16 N 103495.19	2.91

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
							2.61	0.30	CONCRETE. Light grey.		CONC	
0.20	ES		0				2.46	0.45	Brown and red clayey silty sandy fine to coarse angular to subangular GRAVEL of Brick. With low brick cobble content. (MADE GROUND)		GMG	
0.60	ES		0				2.11	0.80	Soft light grey and light brown slightly gravelly silty CLAY. Gravel is fine and medium rounded of flint. Becoming firm. (MADE GROUND)		CMG	
0.90	ES		0					(0.70)	Light brown sandy clayey SILT. (BEACH AND TIDAL FLAT DEPOSITS)		BTFU	
							1.41	1.50	Firm reddish brown silty CLAY. (BEACH AND TIDAL FLAT DEPOSITS)		BTFU	
			0.2					(1.50)				
							-0.09	3.00	Firm grey and light brown slightly gravelly silty CLAY. Gravel is fine angular to subangular of flint. (BEACH AND TIDAL FLAT DEPOSITS)		BTFU	
3.00	ES		0					(2.00)				
							-2.09	5.00	End of Exploratory Hole		END	
5.00	ES		0									

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing
16-02-21	12.00	5.00	3.50	200	Dry						

Chiselling				Water Added	
From	To	Hours	Tool	From	To

General Remarks
Concrete cored. Hand excavated to 1.20m. Hole terminated at 5.00m.

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP BH LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH3**
	Project JHP Site, Tipner West	Sheet 1 of 1
Job No 70067958	Client Portsmouth City Council	Date 03-03-21 16-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS/DrC	E 464083.65 N 103474.77	2.73

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
							2.49	0.24	CONCRETE. Light grey.		CONC		
0.20-0.20	ES		0				2.38	0.35	Light grey and red silty sandy fine to coarse angular to subrounded GRAVEL of flint , brick and concrete. (MADE GROUND)		GMG		
0.30	ES		0				2.18	0.55			GMG		
0.45	ES								White and brown silty sandy fine to coarse rounded GRAVEL of Chalk. With low cobble content. (MADE GROUND)				
0.85	ES		0					(0.85)			GMG		
							1.33	1.40	Red grey silty sandy fine to coarse angular to subrounded GRAVEL of Brick and concrete. Low subrounded brick and concrete cobble content. (MADE GROUND)				
							1.13	1.60	CONCRETE. DRILLER NOTES.		CONC		
2.00	ES							(1.70)	Soft dark grey gravelly sandy clayey organic SILT. Gravel is fine to coarse subangular and subrounded of chalk and occasional brick. (MADE GROUND) 2.00 2.0m sample. Dark grey / black discolouration and hydrocarbon and organic odour		CMG		
3.00	ES						-0.57	3.30	Soft pale grey gravelly clayey SILT. Gravel is fine and medium subrounded of Chalk scattered. Hydrocarbon odour. (BEACH AND TIDAL FLAT DEPOSITS).				
								(1.70)			BTFU		
							-2.27	5.00					
5.00	ES								End of Exploratory Hole		END		

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing
16-02-21	17.00	5.00	4.50	200	4.80						

Chiselling				Water Added		General Remarks
From	To	Hours	Tool	From	To	Hand excavated to 1.20m. Hole terminated at 5.00 m bgl.
1.4	1.6	0100				

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP BH LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd
2 Grosvenor House, Grosvenor Square
Southampton, Hampshire, SO15 2DB
Telephone:

BOREHOLE LOG

Hole No. **BH4**

Project: JHP Site, Tipner West

Sheet: 1 of 1

Job No	Client	Date
70067958	Portsmouth City Council	17-02-21 17-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 464028.38 N 103586.08	3.07

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
							2.75	0.32	CONCRETE. Light grey.		CONC		
0.60	ES						2.07	(0.68) 1.00	Dark grey sandy gravelly clayey SILT. Gravel is fine to coarse angular to subrounded of flint. (MADE GROUND) 0.60 Metal pipe. Move location to side		CMG		
1.00	ES						1.57	(0.50) 1.50	Grey sandy gravelly clayey SILT. Gravel is fine to coarse subangular to subrounded of flint. (MADE GROUND)		CMG		
1.50	ES						1.27	1.80	Light brown slightly clayey slightly silty sandy fine to coarse subrounded to rounded GRAVEL of flint. (MADE GROUND)		CMG		
							1.07	2.00	CONCRETE. Obstruction.		CONC		
									End of Exploratory Hole		END		

Boring Progress

Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth

Water Strikes

Date	Time	Strike	Minutes	Standing	Casing

Chiselling

From	To	Hours	Tool
1.8	2	01:30	

Water Added

From	To

General Remarks

Hole terminated at 2.0m due to concrete obstruction.

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH5**
	Project JHP Site, Tipner West	Sheet 1 of 2
Job No 70067958	Client Portsmouth City Council	Date 18-02-21 18-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 463957.91 N 103644.19	3.93

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
							3.83	0.10	CONCRETE.		CONC	
							3.63	0.30	CONCRETE		CONC	
							3.54	0.39	CONCRETE		CONC	
0.60	ES						3.13	0.80	Dark grey/white/red silty sandy GRAVEL. Sand is fine to coarse grained. Gravel is angular to subrounded fine to coarse of brick, clinker, flintand chalk. (MADE GROUND)		GMG	
0.90	ES							(1.20)	Light grey, white sandy gravelly SILT. Sand is fine to coarse grained. Gravel is angular to rounded fine to coarse of brick and chalk. (MADE GROUND)		CMG	
2.00	ES		1				1.93	2.00	Greyish white gravelly sandy SILT. Gravel is fine to coarse angular to rounded of Brick, chalk and occasional flint. (MADE GROUND)		CMG	
3.00	ES		1				0.93	(1.00) 3.00	Dark grey and brown silty slightly gravelly sandy CLAY with rare Clinker. Gravel is fine to coarse angular to subrounded of flint. (MADE GROUND)		CMG	
4.00	ES		1				-0.07	(1.00) 4.00	Brown and dark grey occasionally black slightly gravelly fine to coarse SAND with rare clinker. Gravel is fine to coarse subrounded of flint and brick. (MADE GROUND)		GMG	
6.00	ES						-2.07	(2.00) 6.00	Black and dark brown slightly gravelly clayey organic SILT with Organic odour. Gravel is fine to coarse angular of flint. (BEACH AND TIDAL FLAT DEPOSITS)		BTFU	
7.00	ES						-2.97	(0.90) 6.90	Recovered as: structureless CHALK composed of light grey gravelly SILT of CHALK. Chalk gravel clasts are white fine to medium sized. (LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION)		LECH	
8.00	ES						-4.07	(1.10) 8.00	Recovered as: structureless CHALK composed of white gravelly SILT of CHALK. Chalk gravel clasts are white fine to medium sized. (LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION)		LECH	
							-5.07	(1.00) 9.00	Recovered as: structureless CHALK composed of white silty GRAVEL of CHALK. Chak Gravel clasts are white fine to coarse sized. (LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION)		LECH	
							-6.07	(1.00) 10.00				

Boring Progress					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth
18-02-21	18.00	10.00	10.00	150	

Chiselling				Water Added	
From	To	Hours	Tool	From	To

Water Strikes					
Date	Time	Strike	Minutes	Standing	Casing

General Remarks

Concrete cored and hand excavated to 1.20m bgl. Hole terminated at 10.0m. Aqifer Seal from 5.5m to 7.40 m.

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH5**
	Project JHP Site, Tipner West	Sheet 2 of 2
Job No 70067958	Client Portsmouth City Council	Date 18-02-21 18-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 463957.91 N 103644.19	3.93

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
10.00	ES								End of exploratory hole		END	

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing

Chiselling				Water Added		General Remarks
From	To	Hours	Tool	From	To	Concrete cored and hand excavated to 1.20m bgl. Hole terminated at 10.0m. Aqifer Seal from 5.5m to 7.40 m.

Scale 1:62.5	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP BH LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH6**
	Project JHP Site, Tipner West	Sheet 1 of 1
Job No 70067958	Client Portsmouth City Council	Date 17-02-21 18-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 463981.34 N 103658.77	3.81

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
							2.01	(1.80) 1.80	VOID. Casing inserted inbase of TP3 and backfilled around.		VOID		
							0.51	(1.50) 3.30	NO RECOVERY.		NR		
									End of exploratory Hole.		END		

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing
17-02-21 18-02-21	18.00 08.00	3.00 3.00	3.00 3.00	200 200	2.90						

Chiselling				Water Added	
From	To	Hours	Tool	From	To
1.8	3	0200			

General Remarks

Hole commenced from base of TP3. Hole terminated at 3.30m due to concrete obstruction. Driller notes pushing obstruction from 1.80m.

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH7**
	Project JHP Site, Tipner West	Sheet 1 of 1
Job No 70067958	Client Portsmouth City Council	Date 19-02-21 19-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 464051.54 N 103510.22	3.04

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
0.15	ES		0					(0.85)	Brown slightly clayey sandy gravelly SILT. Gravel is fine to coarse angular to rounded of flint And brick. Cobbles of brick and concrete. Low concrete boulder content.. (MADE GROUND)		CMG		
							2.19	0.85					
							1.94	1.10	Brown and red and black sandy gravelly silty CLAY. Gravel is fine to coarse angular to rounded of flint And brick. (MADE GROUND)		CMG		
1.10	ES		0						Brown and white and black sandy gravelly SILT. Gravel is fine to coarse angular to subrounded of flint Chalk and brick. (MADE GROUND)				
								(2.30)	2.00 Concrete boulder		CMG		
3.00-3.80	ES						-0.36	3.40					
								(0.80)	Grey sandy slightly gravelly SILT. Gravel is fine to coarse subrounded of flint. (MADE GROUND)		CMG		
4.00	ES						-1.16	4.20	4.00 With fine to medium gravel sized rounded chalk clasts				
								(0.80)	Light grey and pale brown gravelly sandy SILT. Gravel is fine and medium rounded of Chalk clasts and fine to coarse rounded of flint. (BEACH AND TIDAL FLAT DEPOSITS).		BTFU		
							-1.96	5.00					
5.00	ES								End of exploratory hole		END		

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing
19-02-21	18.00	5.00	5.00	200							

Chiselling				Water Added	
From	To	Hours	Tool	From	To
2.5	3.0	0045			

General Remarks
Hand excavated to 1.20m. Hole terminated at 5.00 m bgl

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH8**
	Project JHP Site, Tipner West	Sheet 1 of 1
Job No 70067958	Client Portsmouth City Council	Date 02-03-21 19-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	CdS	E 464115.75 N 103437.95	2.81

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
							2.49	0.32	CONCRETE. Light grey.		CONC		
0.30-0.45	ES						2.36	0.45	Red silty sandy gravelly COBBLES. Gravel is fine to coarse angular to subrounded of Brick. Cobbles of subrounded brick. (MADE GROUND)		GMG		
0.32-0.45	ES								Brown gravelly sandy SILT. Gravel is fine to coarse subangular to subrounded of flint Brick and concrete. (MADE GROUND)				
0.60-0.80	ES								0.80 Concrete kerb				
								(2.75)			CMG		
2.00	ES								2.00 - 3.00 m bgl With boulders of rounded concrete. Gravel also comprising clinker and flint. Slight odour.				
3.00	ES		2				-0.39	3.20					
								(0.70)	Soft brown / light brown slightly gravelly silty slightly organic CLAY. Abundant pockets of dark grey sandy gravelly Silt. Gravel is fine to medium of brick and clinker. (MADE GROUND)		CMG		
4.00	ES		1				-1.09	3.90					
								(1.10)	Soft locally firm pale greenish brown and yellowish brown slightly clayey gravelly slightly organic SILT. Gravel is fine scattered white chalk. Frequent subrounded to subangular flint. (BEACH AND TIDAL FLAT DEPOSITS)		BTFU		
5.00	ES		1				-2.19	5.00					
									End of Exploratory Hole		END		

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing
19-02-21	12.00	5.00	3.30	200							

Chiselling				Water Added	
From	To	Hours	Tool	From	To

General Remarks
Hand excavated to 1.0m bgl.Hole terminated at 5.00m bgl.

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP BH LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH9**
	Project JHP Site, Tipner West	Sheet 1 of 1
Job No 70067958	Client Portsmouth City Council	Date 23-02-21 23-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	DrC	E 463964.14 N 103549.13	3.08

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
							2.92	0.16	Light grey reinforced CONCRETE.		CONC	
0.35-0.35	ES						2.58	0.50	Black/red sandy GRAVEL. Sand is fine to coarse grained. Gravel is angular to rounded fine to coarse of brick and clinker. (MADE GROUND)		GMG	
0.75-0.75	ES						1.88	(0.70) 1.20	Brown slightly clayey slightly silty sandy GRAVEL. Sand is fine to coarse grained. Gravel is angular to subrounded fine to coarse of flint. (MADE GROUND)		GMG	
1.20-1.50	ES		1				0.88	(1.00) 2.20	Orangish brown and brown very silty gravelly fine to coarse SAND. Gravel is fine to coarse subrounded of flint. (RAISED BEACH DEPOSITS) 1.20 m bgl Driller notes: Pushing something from 1.20m.		RBD	
2.20	ES		2						Very soft dark grey and grey organic silty CLAY with numerous black subrounded flint. Organic odour. (BEACH and TIDAL FLAT DEPOSITS)			
3.00	ES		2					(2.30)			BTFU	
							-1.42	4.50				
5.00	ES		2				-1.92	(0.50) 5.00	Firm pale grey and brown slightly clayey gravelly slightly sandy SILT with occasional Flint. Gravel is fine and medium subrounded of white chalk clasts. Slight organic odour. (BEACH and TIDAL FLAT DEPOSITS)		BTFU	
									End of exploratory hole		END	

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing
23-02-21	13.00	5.00	5.00	200							

Chiselling				Water Added		General Remarks
From	To	Hours	Tool	From	To	Concrete surface penetrated with Heavy duty breaker / pecker. Hand excavated to 1.20 mbgl. Hole terminated at 5.0m.

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH10**
	Project JHP Site, Tipner West	Sheet 1 of 2
Job No 70067958	Client Portsmouth City Council	Date 22-02-21 22-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	DrC	E 464083.28 N 103414.73	2.86

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
							2.61	0.25	Light grey mesh reinforced CONCRETE		CONC	
0.40-0.40	ES						2.31	0.55	Light grey white gravelly sandy SILT. Sand is fine to coarse grained. Gravel is subangular fine to coarse of chalk. (MADE GROUND)		CMG	
0.75-0.75	ES						1.66	(0.65) 1.20	Brown sandy gravelly silty CLAY. Sand is fine to coarse grained. Gravel is angular to rounded of brick and flint. (MADE GROUND)		CMG	
1.50-2.00	ES		0				0.66	(1.00) 2.20	Soft locally very soft dark grey and dark brown very silty very gravelly slightly sandy CLAY with occasional cobbles of concrete. Gravel is fine to coarse subangular to subrounded of concrete fragments, brick fragments. Occasional flint. Organic odour. (MADE GROUND) 1.50 - 2.00 Driller notes: Pushing a larger boulder		CMG	
2.20-2.50	ES		1				0.36	2.50	Soft light brown and brown very silty CLAY with numerous scattered fine to medium gravel of flint and occasional to numerous fine brick. Slight organic odour. (MADE GROUND)		CMG	
3.00-3.30	ES		0					(2.00)	Very soft pale brownish grey gravelly slightly sandy SILT with occasional Black rinded flint. Gravel is fine and medium subrounded of Cream / white chalk clasts. Slight organic odour. (BEACH AND TIDAL FLAT DEPOSITS)		BTFU	
4.00	ES		0				-1.64	4.50	4.00 m bgl No organic odour			
5.00	ES		0				-3.14	(1.50) 6.00	Recovered as: Structureless CHALK composed of white pale brownish cream slightly gravelly SILT of CHALK. Clasts are weak and low-density cream. Occasional fine scattered flint. (LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION)		LECH	
6.00	ES		1				-5.64	(2.50) 8.50	Recovered as: structureless CHALK composed of white gravelly SILT of CHALK. Clasts are very weak and weak low and medium density white. Probable localised orange weathering / staining. (LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION)		LECH	
8.70	ES		1				-7.14	(1.50) 10.00	Recovered as: Structureless CHALK composed of white silty GRAVEL of CHALK. Clasts are moderately weak medium density white. Occasional black rinded flink cobbles. (LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION)		LECH	

Boring Progress					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth
22-02-21 22-02-21	12.00 18.00	10.00 10.00	3.30 10.00	200 150	

Chiselling				Water Added	
From	To	Hours	Tool	From	To

Water Strikes					
Date	Time	Strike	Minutes	Standing	Casing

General Remarks

Concrete cored slab and hand inspection pit. Cable percussive boring to 10m. Bentonite seal 2.3m to 3.3m and reduced casing to 150mm diameter. Hole terminated at 10m. Shallow install to be finished and 200m casing removed on 23/2/21.

Scale 1:62.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP BH LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**BOREHOLE LOG**	Hole No. **BH10**
	Project JHP Site, Tipner West	Sheet 2 of 2
Job No 70067958	Client Portsmouth City Council	Date 22-02-21 22-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Dando 4000	DrC	E 464083.28 N 103414.73	2.86

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
10.00	ES		1						End of Exploratory Hole		END	

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Depth	Dia. (mm)	Water Depth	Date	Time	Strike	Minutes	Standing	Casing

Chiselling				Water Added		General Remarks
From	To	Hours	Tool	From	To	Concrete cored slab and hand inspection pit. Cable percussive boring to 10m. Bentonite seal 2.3m to 3.3m and reduced casing to 150mm diameter. Hole terminated at 10m. Shallow install to be finished and 200m casing removed on 23/2/21.

Scale 1:62.5	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP BH LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

Appendix B.3

WINDOWLESS SAMPLE LOGS

Confidential

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**WINDOW SAMPLE LOG**	Hole No. **WS1**
	Project: JHP Site, Tipner West	Sheet
Job No: 70067958	Client: Portsmouth City Council	Date: 15-02-21 15-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 463963.64 N 103548.13	3.08

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
							3.03	0.05	CONCRETE. Grey. Aggregate is of fine gravel. (Wearing coarse)		CONC	
							2.93	0.15	Reinforced CONCRETE. Light brown / grey. Flint aggregate. Reinforcement at base , corroded rusty.		CONC	
0.20	ES	.	0				2.78	0.30			GMG	
0.40-0.50	ES	.	0					(0.40)	Dark grey and black silty sandy fine to coarse subangular rough GRAVEL of Clinker with brick with occasional Silty soft pockets. (MADE GROUND)		GMG	
							2.38	0.70	Pale brown and light brown silty clayey slightly sandy fine and medium smooth GRAVEL of flint with numerous Scattered red brick fragments. (MADE GROUND)			
								(0.60)	Pale brown and brown silty sandy slightly clayey fine and medium subrounded and subangular GRAVEL of flint. (RAISED BEACH DEPOSITS).		RBD	
							1.78	1.30	1.00 - 1.30 Very clayey / silty , slightly gravelly			
1.50	ES	.	3					(0.60)	Light brown and brown very sandy slightly silty fine to coarse subrounded GRAVEL of flint with occasional Scattered fine gravel sized chalk. (RAISED BEACH DEPOSITS)		RBD	
							1.18	1.90				
								(1.10)	Soft locally very soft grey mottled dark bluish grey silty organic CLAY with abundant fine fibrous rootlets. (BEACH and TIDAL FLAT DEPOSITS)		BTFU	
2.50	ES	.	1				0.08	3.00				
								(1.00)	Firm pale brown and brown very silty slightly sandy slightly organic CLAY with occasional scattered fine flint. ((BEACH and TIDAL FLAT DEPOSITS)		BTFU	
3.50	ES	.	0				-0.92	4.00				
									End of Exploratory Hole		END	

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing

General Remarks

Hole terminated at 4.00m following collapse back to 1.70m after final run. No groundwater noted.

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**WINDOW SAMPLE LOG**	Hole No. **WS2**
	Project JHP Site, Tipner West	Sheet
Job No 70067958	Client Portsmouth City Council	Date 15-02-21 15-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 463919.80 N 103663.11	3.46

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
						1		(0.50)	Pale grey very gravelly silty fine to coarse SAND with abundant Cobbles of concrete fragments. Gravel is fine to coarse subangular and subrounded of flint And crushed concrete. (MADE GROUND)		GMG	
							2.96	0.50	End of Exploratory Hole Concrete obstruction		END	

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
						15-02-21		0.35			

General Remarks
Hole terminated at 0.50m due to concrete obstruction in inspection pit.

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP WINDOW SAMPLE LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd
2 Grosvenor House, Grosvenor Square
Southampton, Hampshire, SO15 2DB
Telephone:

WINDOW SAMPLE LOG

Hole No. **WS2a**

Project: JHP Site, Tipner West

Sheet:

Job No: 70067958

Client: Portsmouth City Council

Date: 15-02-21
15-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 463920.00 N 103664.00	3.45

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
0.30-0.50	ES	.	5			1	2.90	(0.55) 0.55	Grey and dark brown silty gravelly fine to coarse SAND with numerous Cobbles of concrete. Gravel is fine to coarse subangular and subrounded of flint And concrete fragments. (MADE GROUND)		GMG	
									End of Exploratory Hole		END	

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
						15-02-21		0.40			

General Remarks
Hole terminated at 0.55m due to concrete obstruction

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**WINDOW SAMPLE LOG**	Hole No. **WS2B**
	Project JHP Site, Tipner West	Sheet
Job No 70067958	Client Portsmouth City Council	Date 15-02-21 15-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 463920.00 N 103663.00	3.45

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
						1		(0.50)	Pale brownish grey silty very gravelly fine to coarse SAND with numerous Cobbles of concrete. Gravel is fine to coarse subangular and subrounded of flint And concrete. (MADE GROUND)		GMG		
							2.95	0.50	End of Exploratory Hole		END		

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
						15-02-21		0.35			

General Remarks
Hole terminated at 0.50m bgl due to concrete obstructions in the inspection pit

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP WINDOW SAMPLE LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**WINDOW SAMPLE LOG**	Hole No. **WS3**
	Project JHP Site, Tipner West	Sheet
Job No 70067958	Client Portsmouth City Council	Date 15-02-21 15-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 464042.90 N 103563.99	3.17

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
							2.96	0.21	Reinforced CONCRETE. Grey flint aggregate. Reinforcement is at 0.10m cover. 9mm steel.		CONC		
0.30	ES	.						(0.69)	Brownish red very gravelly fine to coarse SAND with With high cobble content of brick. occasional Cobble of concrete fragments. Gravel is fine to coarse subangular of Brick. (MADE GROUND) 0.22 - 0.40 Dark brown and red brown silty		GMG		
							2.27	0.90					
1.00	ES	.						(0.60)	Dark brown and brownish red and dark grey gravelly clayey sandy SILT with occasional Brick Cobbles. Gravel is fine to coarse angular to subangular of flint Brick. (MADE GROUND)		CMG		
1.40	ES	.					1.67	1.50	1.45 - 1.50 Brick obstruction End of Exploratory Hole		END		

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing

General Remarks
Hole terminated at 1.50m due to brick obstruction. No groundwater encountered

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP WINDOW SAMPLE LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**WINDOW SAMPLE LOG**	Hole No. **WS4**
	Project: JHP Site, Tipner West	Sheet
Job No: 70067958	Client: Portsmouth City Council	Date: 16-02-21 16-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Terrier Rig Mk2	CDS/DrC	E 463967.64 N 103504.50	2.99

SAMPLES & TESTS							STRATA					
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia. Install / Backfill mm
							2.82	0.17	Light grey CONCRETE		CONC	
0.40	ES	.	0				2.24	(0.58) 0.75	Dark brown / black slightly clayey sandy gravelly SILT. Sand is fine to coarse grained. Gravel is angular to rounded fine to coarse of flint and rare brick. (MADE GROUND)		CMG	
0.80	ES	.	0				1.99	1.00	Light brown slightly clayey silty sandy GRAVEL. Sand is fine to coarse grained. Gravel is subrounded to rounded fine to coarse of flint. (RAISED BEACH DEPOSITS)		RBD	
2.00	ES	.						(2.80)	Soft locally very soft pale grey mottled dark grey silty organic CLAY with occasional Black subrounded medium flint and wood/plant pseudo fibrous material. Slight organic odour (BEACH and TIDAL FLAT DEPOSITS).		BTFU	
3.00	ES	.					-0.81	3.80				
4.00	ES	.					-1.21	(0.40) 4.20	Stiff pale grey slightly sandy gravelly clayey slightly organic SILT. Gravel is fine subrounded of of scattered white chalk. (BEACH and TIDAL FLAT DEPOSITS).		BTFU	
4.50-4.50	ES	.					-1.51	(0.30) 4.50	Light grey and pale white gravelly slightly sandy SILT. Gravel is fine and medium of Scattered chalk. (BEACH and TIDAL FLAT DEPOSITS or LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION and PORTSDOWN CHALK FORMATION).		BTFU	
5.00	ES	.							End of exploratory hole		END	

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing

General Remarks
Hole terminated at 5m on 15/2. Completed to 5m on 16/2. Backfilled 16/2.

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP WINDOW SAMPLE LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**WINDOW SAMPLE LOG**	Hole No. **WS5**
	Project JHP Site, Tipner West	Sheet
Job No 70067958	Client Portsmouth City Council	Date 16-02-21 16-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 463923.44 N 103511.91	3.05

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
0.00-0.20	ES	.	1				2.85	0.20	Dark brown and reddish brown slightly silty gravelly fine to coarse SAND with numerous Brick cobbles. Gravel is fine to coarse subangular and subrounded of Brick, ceramic, clinker. (MADE GROUND)		GMG		
							2.65	0.40	Red sandy gravelly COBBLES. Gravel is fine to coarse subangular of Brick. Cobbles of brick debris. (MADE GROUND)		GMG		
0.50	ES	.	1					(0.50)	Dark brown silty gravelly fine to coarse SAND with occasional Flint , wood and wires. Gravel is fine to coarse subangular of Brick and concrete. (MADE GROUND)		GMG		
0.70-0.70	BLK	.											
0.70	ES	.	1				2.15	0.90	0.70 Possible 1no. ACM cement fragment				
									End of Exploratory Hole Concrete obstruction		END		

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing

General Remarks
Hole terminated at 0.90m due to concrete obstruction in base of inspection pit

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP WINDOW SAMPLE LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**WINDOW SAMPLE LOG**	Hole No. **WS6**
	Project JHP Site, Tipner West	Sheet
Job No 70067958	Client Portsmouth City Council	Date 15-02-21 19-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling Ltd		DrC	E 103576.93 N 103576.93	3.23

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
							3.07	0.16	Reinforced CONCRETE. Grey.		CONC		
							2.98	0.25	Dark brown and grey slightly silty very sandy fine to coarse subangular to subrounded GRAVEL of flint Concrete fragments with occasional Cobbles of concrete debris. (MADE GROUND)		GMG		
									End of Exploratory Hole Concrete slab obstruction		END		

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing

General Remarks

Hole terminated at 0.25m following coring and excavation due to further concrete obstruction encountered.

Scale 1:37.5	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd
2 Grosvenor House, Grosvenor Square
Southampton, Hampshire, SO15 2DB
Telephone:

WINDOW SAMPLE LOG

Hole No. **WS7**

Project: JHP Site, Tipner West

Sheet:

Job No	Client	Date
70067958	Portsmouth City Council	16-02-21 16-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 464109.45 N 103464.05	2.67

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
						1	2.57	0.10	Dark brown silty gravelly fine to coarse SAND. Gravel is fine to coarse subangular and subrounded of flint Brick , concrete and occasional and wood and plastic. (MADE GROUND)		GMG		
							2.39	0.28	CONCRETE. Grey.		CONC		
							2.17	0.50	Brownish red sandy gravelly COBBLES. Gravel is fine to coarse subangular of Brick. Cobbles of brick. (MADE GROUND)		GMG		
									End of Exploratory Hole Concrete obstruction		END		

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing
						16-02-21		0.40			

General Remarks
Hole terminated at 0.50m bgl due to concrete obstruction

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP WINDOW SAMPLE LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

WSP UK Ltd 2 Grosvenor House, Grosvenor Square Southampton, Hampshire, SO15 2DB Telephone:	**WINDOW SAMPLE LOG**	Hole No. **WS7A**
	Project JHP Site, Tipner West	Sheet
Job No 70067958	Client Portsmouth City Council	Date 16-02-21 16-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 464909.00 N 103463.00	2.67

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
0.10	ES	.	2				2.47	0.20	Dark brown gravelly silty fine to coarse SAND with occasional Old wires, concrete and flint and plastic fragments. Gravel is fine to coarse subangular of Brick and concrete. (MADE GROUND)		GMG		
							2.37	0.30	CONCRETE. Grey brown.		CONC		
							2.12	0.55	Brownish red silty sandy medium and coarse subangular rough GRAVEL of Brick fragments with abundant Brick cobble fragments. (MADE GROUND)		GMG		
0.60	ES	.	2					(0.95)	Light grey and greyish cream and brown silty very sandy fine to coarse subangular and subrounded GRAVEL of Chalk fragments, brick occasional glass fragments with numerous Brick cobble fragments. (MADE GROUND)		GMG		
1.30-1.50	ES	.	2				1.17	1.50	1.40 - 1.50 Dark grey organic silty with slight hydrocarbon odour				
									End of Exploratory Hole		END		

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing

General Remarks
Hole terminated at 1.50m due to brick and possible concrete obstruction

Scale 1:37.5	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

WSP UK Ltd
2 Grosvenor House, Grosvenor Square
Southampton, Hampshire, SO15 2DB
Telephone:

WINDOW SAMPLE LOG

Hole No. **WS8**

Project: JHP Site, Tipner West

Sheet:

Job No: 70067958

Client: Portsmouth City Council

Date: 16-02-21
16-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
South Coast Drilling	Terrier Rig Mk2	DrC	E 463982.01 N 103611.63	3.61

SAMPLES & TESTS							STRATA						
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	Dia.	Install / Backfill mm
							3.31	(0.30) 0.30	Reinforced CONCRETE. Grey flint aggregate. Reinforcement at 0.20 m depth , steel 9mm.		CONC		
0.30-0.60	ES	.					3.01	(0.30) 0.60	Brownish red silty sandy fine to coarse subangular to subrounded GRAVEL of Brick with some crushed concrete with occasional Brick cobbles. (MADE GROUND) 0.45 - 0.60 Concrete step in south and north west pit face. Metal bar at 0.55m bgl		GMG		
									End of Exploratory Hole Concrete obstruction		END		

Hole Diameter			Recovery			Water Strikes					
Depth	Diameter (mm)	Remarks	Core Top (m)	Core Base (m)	% Recovery	Date	Time	Strike	Minutes	Standing	Casing

General Remarks
Hole terminated at 0.60 m bgl due to concrete obstruction in base of inspection pit. No groundwater encountered

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

17 WSP WINDOW SAMPLE LOG 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE7.00.GDT 15/4/21

Appendix B.4

TRIAL PIT LOGS

Confidential

WSP UK Ltd
2 Grosvenor House, Grosvenor Square
Southampton, Hampshire, SO15 2DB
Telephone:

TRIAL PIT LOG

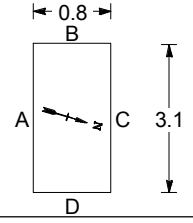
Project	Job No
JHP Site, Tipner West	70067958

Depth	Type	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	STRATA Description	Legend	Geology	Install / Backfill
0.10	ES	1					(0.70)	Dark brown and reddish brown silty gravelly fine to coarse SAND with abundant Wood fragments, occasional plastic, asphalt fragments, ceramic fragments and concrete boulders and cobbles. Cobbles of brick frequent. Gravel is fine to coarse subangular of Brick fragments. (MADE GROUND)		GMG	
						2.44	0.70				
0.70	ES	16					(0.30)	0.70 - 1.15 Concrete reinforcement slab / base crossing SE and again NE of pit Dark grey silty gravelly fine to coarse SAND with frequent Large wood fragments with creosote odour.. Gravel is fine to coarse angular and subangular of Wood, brick, concrete , metal plastic, creosote odour. (MADE GROUND)		GMG	
						2.14	1.00				
1.15	ES	1				1.99	1.15	Pale brown and brown and dark grey very sandy silty fine to coarse GRAVEL of flint With frequent brick, occasional metal, frequent wood debris. (MADE GROUND)		GMG	

General Remarks
Hole terminated at 1.15m due to concrete obstructions . No groundwater encountered.

Shoring/Support: None
Stability: Generally good

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



Length	Logged By	Client	Sheet
3.10m	DrC	Portsmouth City Council	1 of 1

Width	Ground Level (m AOD)	Co-Ordinates (NGR)	Date	Trial Hole No.
0.80m	3.135	E 463950 N 103538	17-02-21 17-02-21	**TP1**

Orientation	Method/Plant Used	Contractor	Scale
253 degrees from north	Tracked Excavator	Lynch Plant Hire	1:33.3

08 WSP TP LOG LS 2 PHOTO 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE1.03.GDT 15/4/21

WSP UK Ltd
2 Grosvenor House, Grosvenor Square
Southampton, Hampshire, SO15 2DB
Telephone:

TRIAL PIT LOG

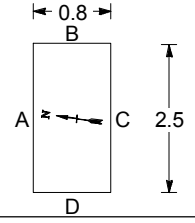
Project	Job No
JHP Site, Tipner West	70067958

Depth	Type	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	STRATA Description	Legend	Geology	Install / Backfill
						2.61	0.15	Dark brown gravelly silty fine to coarse SAND. Gravel is fine to coarse of Brick, metal, slate, plastic, ceramic debris. (MADE GROUND)		GMG	
0.20	ES	1				2.36	(0.25) 0.40	Reddish brown gravelly silty fine to coarse SAND with abundant Concrete boulders and cobbles of brick fragments. Gravel is fine to coarse angular and subrounded of Brick, concrete and flint with occasional metal, frequent glass. (MADE GROUND)		GMG	
0.60	ES	0				2.06	(0.30) 0.70	Pale greyish white and brownish grey very gravelly very sandy SILT. Gravel is fine to coarse subangular of Chalk clast, and brick, flint occasional metal and plastic. (MADE GROUND)		CMG	
0.80-1.00	ES	1						Dark brownish grey very sandy gravelly slightly organic SILT. Gravel is fine to coarse subangular of Brick, clicker occasional glass. Abundant concrete boulders and cobbles of brick and concrete debris. (MADE GROUND)			
					1	1.11	(0.95) 1.65				
1.70-1.80	ES				1	0.96	1.80	Light brown slightly silty slightly sandy fine to coarse subrounded GRAVEL of flint With localised pockets of grey organic silt. (MADE GROUND)		GMG	

General Remarks
Hole terminated at 1.80m due to start of pit instability as a result of groundwater ingress .
Surface water ingress also but ceased after 0.60m

Shoring/Support: None
Stability: Poor near base after 1.6m

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



Length	Logged By	Client	Sheet
2.50m	DrC	Portsmouth City Council	1 of 1

Width	Ground Level (m AOD)	Co-Ordinates (NGR)	Date	Trial Hole No.
0.80m	2.764	E 464069 N 103489	17-02-21 17-02-21	**TP2**

Orientation	Method/Plant Used	Contractor	Scale
82 degrees from north	Tracked Excavator	Lynch Plant Hire	1:33.3

08 WSP TP LOG LS 2 PHOTO 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE1.03.GDT 15/4/21

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Southampton, Hampshire, SO15 2DB
Telephone:

TRIAL PIT LOG

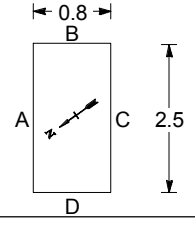
Project	Job No
JHP Site, Tipner West	70067958

Depth	Type	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	STRATA Description	Legend	Geology	Install / Backfill
						3.56	(0.25) 0.25	Light brown and brown very silty gravelly fine to coarse SAND with numerous Cobbles of brick and concrete. Gravel is fine to coarse subangular and subrounded of flint Brick, slate concrete plastic debris.. (MADE GROUND)		GMG	
0.30	ES	1				3.11	(0.45) 0.70	Light brown very gravelly slightly silty fine to coarse SAND with numerous Wood and brick fragments. Gravel is subangular and subrounded of Flint.. (MADE GROUND)		GMG	
0.80	ES	1				2.01	(1.10) 1.80	Reddish brown and greyish brown silty gravelly fine to coarse SAND with abundant Cobblrs and boulders of concrete and asphalt debris Cobbles of brick. Gravel is fine to coarse subangular rough of Brick, flint, concrete , asphalt, old hose pipe, wires wood. (MADE GROUND)		GMG	
1.80	ES	1									

General Remarks
Excavation terminated at 1.80m. Backfilled and hole continued by cable percussive drilling (BH6)

Shoring/Support: None
Stability: Some instability in south face

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



Length	Logged By	Client	Sheet
2.50m	DrC	Portsmouth City Council	1 of 1

Width	Ground Level (m AOD)	Co-Ordinates (NGR)	Date	Trial Hole No.
0.80m	3.812	E 463981 N 103659	17-02-21 17-02-21	TP3

Orientation	Method/Plant Used	Contractor	Scale
125 degrees from north	Tracked Excavator	Lynch Plant Hire	1:33.3

08 WSP TP LOG LS 2 PHOTO 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE1.03.GDT 15/4/21

WSP UK Ltd
2 Grosvenor House, Grosvenor Square
Southampton, Hampshire, SO15 2DB
Telephone:

TRIAL PIT LOG

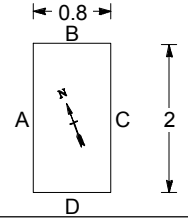
Project	Job No
JHP Site, Tipner West	70067958

Depth	Type	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	STRATA Description	Legend	Geology	Install / Backfill
0.10	ES	1				3.40	(0.30) 0.30	Brown and pale brown silty gravelly fine to coarse SAND with numerous Cobbles of brick and concrete. Gravel is fine to coarse subangular of flint With occasional plastic and abundant brick. Frequent concrete. (MADE GROUND)		GMG	
0.50	ES	1				2.90	(0.50) 0.80	Light brown and brown silty very gravelly fine to coarse SAND with abundant Concrete boulders and cobbles. Frequently with steel thick reinforcement. Cobbles also if brick and slate . Occasional wood debris. Gravel is fine to coarse subangular and subrounded smooth of flint. (MADE GROUND)		GMG	
								1.00 Large concrete boulder debris beginning to destabisle pit side			

General Remarks
Hole terminated at 1.10m . No groundwater encountered

Shoring/Support: None
Stability: Poor below 0.90m

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



Length	Logged By	Client	Sheet
2.00m	DrC	Portsmouth City Council	1 of 1
Width 0.80m	**Ground Level (m AOD)** 3.702	**Co-Ordinates (NGR)** E 463991 N 103641	**Date** 17-02-21 17-02-21
Orientation 21 degrees from north	**Method/Plant Used** Tracked Excavator	**Contractor** Lynch Plant Hire	**Scale** 1:33.3

Trial Hole No.
TP4

08 WSP TP LOG LS 2 PHOTO 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE1.03.GDT 15/4/21

Appendix B.5

HAND PIT LOGS

Confidential

WSP UK Ltd
2 Grosvenor House, Grosvenor Square
Southampton, Hampshire, SO15 2DB
Telephone:
Fax:

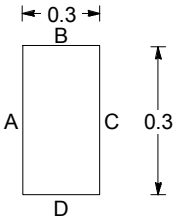
TRIAL PIT LOG

Hole No. **HP1**

Project: JHP Site, Tipner West		Sheet: 1 of 1
Job No: 70067958	Client: Portsmouth City Council	Date: 19-02-21 19-02-21

Contractor / Driller	Method/Plant Used	Logged By	Co-Ordinates (NGR)	Ground Level (m AOD)
D J Drilling	Hand Dug Pit	CdS	E 464041.92 N 103534.83	3.03

SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m2)	P.Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thick-ness)	Description	Legend	Geology	
0.25	ES	0					(0.60)	Brown sandy silty fine to coarse angular to subrounded GRAVEL of flint , concrete, metal fragments, glass fragments, fibreglass fragments.. (MADE GROUND)		GMG	
0.60	ES	0				2.43	0.60				



Length: 0.30m

Width: 0.30m

Orientation: degrees from north

Shoring/Support: None

Stability:

Water Strikes

Date	Time	Strike	Minutes	Standing	Remarks

General Remarks
Hole terminated at 0.60 m bgl.

Scale 1:31.25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD 70067958 - JHP SITE, TIPNER WEST.GPJ WSPETEMPLATE1.03.GDT 15/4/21

Appendix B.6

SITE INVESTIGATION PHOTOGRAPHS

Confidential

Photograph 1: General view southwest.

Photograph 2: General view southwest.

Photograph 3: TP1 Longside Pit Face.

Photograph 4: TP1 Longside Pit Face.

Photograph 5: TP1 Spoil Material.

Photograph 6: TP1 Spoil Material.

Photograph 7: TP2 Longside Pit Face Showing Initial Perched Water Seepage.

Photograph 8: TP2 Longside Pit Face.

Photograph 9: TP2 Longside Pit Face.

Photograph 10: TP2 Spoil Material.

Photograph 11: TP3 Longside Pit Face.

Photograph 12: TP3 Longside Pit Face.

Photograph 13: TP3 Shortside Pit Face.

Photograph 14: TP3 Spoil Material.

Photograph 15: TP4 Longside Pit Face.

Photograph 16: TP4 Longside Pit Face.

Photograph 17: TP4 Shortside Pit Face.

Photograph 18: TP4 Spoil Material.

Photograph 19: WS1 GL to 1.00m.

Photograph 20: WS1 1.00m to 4.00m.

Photograph 21: WS2 GL to 0.50m.

Photograph 22: WS2a GL to 0.55m

Photograph 23: WS2a GL to 0.55m.

Photograph 24: WS2b GL to 0.50m.

Photograph 25: WS3 GL to 1.00m.

Photograph 26: WS3 1.00m to 1.50m.

Photograph 27: WS4 1.20m to 5.00m.

Photograph 28: WS5 GL to 0.90m.

Photograph 29: WS6 GL to 0.25m.

Photograph 30: WS7 GL to 0.50m.

Photograph 31: WS7a 1.20m to 1.50m.

Photograph 32: WS7a GL to 1.20m.

Photograph 33: WS8 GL to 0.30m.

Photograph 34: WS8 GL to 0.60m.

Appendix B.7

LABORATORY DATA - SOIL ANALYSIS

Confidential

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

WSP PB LBH
WSP PB
4th Floor
6 Devonshire Square
London
EC2M 4YE

Attention: Chris Summers

CERTIFICATE OF ANALYSIS

Date of report Generation:	19 March 2021
Customer:	WSP PB LBH
Sample Delivery Group (SDG):	210226-121
Your Reference:	70067958
Location:	JHP Land, Tipner West
Report No:	591276

This report has been revised and directly supersedes 590821 in its entirety.

We received 27 samples on Wednesday February 24, 2021 and 19 of these samples were scheduled for analysis which was completed on Friday March 19, 2021. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
23804126	BH3	ES	2.00 - 2.00	17/02/2021
23804132	BH3	ES	3.00 - 3.00	17/02/2021
23804138	BH3	ES	5.00 - 5.00	17/02/2021
23804150	BH4	ES	0.60 - 0.60	17/02/2021
23804160	BH4	ES	1.00 - 1.00	17/02/2021
23803949	BH4	ES	1.50 - 1.50	17/02/2021
23803956	BH5	ES	0.60 - 0.60	18/02/2021
23803975	BH5	ES	0.90 - 0.90	18/02/2021
23804054	BH5	ES	10.00 - 10.00	18/02/2021
23803986	BH5	ES	2.00 - 2.00	18/02/2021
23803996	BH5	ES	3.00 - 3.00	18/02/2021
23804009	BH5	ES	4.00 - 4.00	18/02/2021
23804019	BH5	ES	6.00 - 6.00	18/02/2021
23804029	BH5	ES	7.00 - 7.00	18/02/2021
23804040	BH5	ES	8.00 - 8.00	18/02/2021
23803933	TP1	ES	0.10 - 0.10	17/02/2021
23803966	TP1	ES	0.70 - 0.70	17/02/2021
23804064	TP1	ES	1.15 - 1.15	17/02/2021
23804072	TP2	ES	0.20 - 0.20	17/02/2021
23804078	TP2	ES	0.60 - 0.60	17/02/2021
23804084	TP2	ES	0.80 - 1.00	17/02/2021
23804089	TP2	ES	1.70 - 1.80	17/02/2021
23804093	TP3	ES	0.30 - 0.30	17/02/2021
23804099	TP3	ES	0.80 - 0.80	17/02/2021
23804048	TP3	ES	1.80 - 1.80	17/02/2021
23804112	TP4	ES	0.10 - 0.10	17/02/2021
23804120	TP4	ES	0.50 - 0.50	17/02/2021

Only received samples which have had analysis scheduled will be shown on the following pages.

CERTIFICATE OF ANALYSIS

Validated

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			23804126		23804132		23804138		23804150		23804160		23803956		23803975		23803996						
Customer Sample Reference			BH3		BH3		BH3		BH4		BH4		BH5		BH5		BH5						
AGS Reference			ES		ES		ES		ES		ES		ES		ES		ES						
Depth (m)			2.00 - 2.00		3.00 - 3.00		5.00 - 5.00		0.60 - 0.60		1.00 - 1.00		0.60 - 0.60		0.90 - 0.90		3.00 - 3.00						
Container			250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)				
Sample Type			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Ammonium Soil by Titration	All	NDPs: 0 Tests: 12								X			X			X			X					
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 16							X			X			X			X			X			
Boron Water Soluble	All	NDPs: 0 Tests: 12								X			X			X			X			X		
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 12								X			X			X			X			X		
EPH CWG GC (S)	All	NDPs: 0 Tests: 15	X		X		X			X			X			X			X			X		
Explosives (Standard Suite)*	All	NDPs: 0 Tests: 1																						
GRO by GC-FID (S)	All	NDPs: 0 Tests: 15		X		X		X			X			X			X			X			X	
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 12								X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 12								X			X			X			X			X		
Organotins on soils*	All	NDPs: 0 Tests: 3								X														
pH	All	NDPs: 0 Tests: 12								X			X			X			X			X		
Phenols by HPLC (S)	All	NDPs: 0 Tests: 15	X		X		X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 16			X		X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 15	X		X		X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 12								X			X			X			X			X		

| 23804093 | TP3 | ES | 0.30 - 0.30 | 60g VOC (ALE215) | S | | |

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

X **Test**

N **No Determination Possible**

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

| | | | | |

23804093	TP3	ES	0.30 - 0.30	60g VOC (ALE215)	S					X
				250g Amber Jar (ALE210)	S		X		X	
				1kg TUB	S					
23804084	TP2	ES	0.80 - 1.00	60g VOC (ALE215)	S					X
				250g Amber Jar (ALE210)	S		X		X	
				1kg TUB	S					
23804078	TP2	ES	0.60 - 0.60	60g VOC (ALE215)	S					X
				250g Amber Jar (ALE210)	S		X		X	
				1kg TUB with Handle (ALE260)	S					
23804072	TP2	ES	0.20 - 0.20	250g Amber Jar (ALE210)	S					
				1kg TUB with Handle (ALE260)	S					
23804064	TP1	ES	1.15 - 1.15	60g VOC (ALE215)	S					X
				250g Amber Jar (ALE210)	S		X		X	
				1kg TUB with Handle (ALE260)	S					
23803966	TP1	ES	0.70 - 0.70	60g VOC (ALE215)	S					X
				250g Amber Jar (ALE210)	S		X		X	
				1kg TUB with Handle (ALE260)	S					
23803933	TP1	ES	0.10 - 0.10	250g Amber Jar (ALE210)	S					
				1kg TUB with Handle (ALE260)	S					

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
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RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			23804099		23804048			23804112		23804120	
Customer Sample Reference			TP3		TP3			TP4		TP4	
AGS Reference			ES		ES			ES		ES	
Depth (m)			0.80 - 0.80		1.80 - 1.80			0.10 - 0.10		0.50 - 0.50	
Container			1kg TUB	250g Amber Jar (ALE210)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)
Sample Type			S	S	S	S	S	S	S	S	S	S
Ammonium Soil by Titration	All	NDPs: 0 Tests: 12				X					X	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 16	X		X			X		X		
Boron Water Soluble	All	NDPs: 0 Tests: 12				X					X	
CEN Readings	All	NDPs: 0 Tests: 1						X				
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 12				X					X	
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 1						X				
EPH CWG GC (S)	All	NDPs: 0 Tests: 15				X					X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 15					X					X
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 12				X					X	
Mercury Dissolved	All	NDPs: 0 Tests: 1						X				
Metals in solid samples by OES	All	NDPs: 0 Tests: 12				X					X	
Organotins on soils*	All	NDPs: 0 Tests: 3		X								
pH	All	NDPs: 0 Tests: 12				X					X	
Phenols by HPLC (S)	All	NDPs: 0 Tests: 15				X					X	
Sample description	All	NDPs: 0 Tests: 16		X		X			X		X	

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

X **Test**

N **No Determination Possible**

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			23804099		23804048			23804112		23804120	
Customer Sample Reference			TP3		TP3			TP4		TP4	
AGS Reference			ES		ES			ES		ES	
Depth (m)			0.80 - 0.80		1.80 - 1.80			0.10 - 0.10		0.50 - 0.50	
Container			1kg TUB	250g Amber Jar (ALE210)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)
Sample Type			S	S	S	S	S	S	S	S	S	S
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 15				X					X	
Total Organic Carbon	All	NDPs: 0 Tests: 12				X					X	
Total Sulphate	All	NDPs: 0 Tests: 12				X					X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 15				X					X	
VOC MS (S)	All	NDPs: 0 Tests: 15					X					X

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
23804126	BH3	2.00 - 2.00	Dark Brown	Sandy Loam	Stones	Vegetation
23804132	BH3	3.00 - 3.00	Grey	Sandy Silt Loam	Stones	None
23804138	BH3	5.00 - 5.00	Light Brown	Silty Clay	Stones	None
23804150	BH4	0.60 - 0.60	Light Brown	Sandy Silt Loam	Stones	None
23804160	BH4	1.00 - 1.00	Dark Brown	Sandy Loam	Stones	Vegetation
23803956	BH5	0.60 - 0.60	Light Brown	Silty Clay	Stones	Brick
23803975	BH5	0.90 - 0.90	Cream	Chalk	Stones	Vegetation
23803996	BH5	3.00 - 3.00	Light Brown	Sandy Clay Loam	Stones	None
23803933	TP1	0.10 - 0.10	Dark Brown	Sandy Loam	Stones	Brick
23803966	TP1	0.70 - 0.70	Dark Brown	Sandy Clay Loam	Stones	Brick
23804064	TP1	1.15 - 1.15	Dark Brown	Loamy Sand	Stones	None
23804072	TP2	0.20 - 0.20	Dark Brown	Sandy Loam	Stones	Brick
23804078	TP2	0.60 - 0.60	Dark Brown	Sandy Loam	Stones	Vegetation
23804084	TP2	0.80 - 1.00	Dark Brown	Sandy Clay Loam	Stones	None
23804048	TP3	1.80 - 1.80	Dark Brown	Sandy Silt Loam	Stones	None
23804093	TP3	0.30 - 0.30	Light Brown	Sand	Brick	Stones
23804099	TP3	0.80 - 0.80	Dark Brown	Sandy Loam	Stones	Brick
23804112	TP4	0.10 - 0.10	Light Brown	Loamy Sand	Stones	Vegetation
23804120	TP4	0.50 - 0.50	Grey	Silty Sand	Stones	Brick

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH3	BH3	BH3	BH4	BH4	BH5
			Depth (m)	2.00 - 2.00	3.00 - 3.00	5.00 - 5.00	0.60 - 0.60	1.00 - 1.00	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021	18/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23804126	23804132	23804138	23804150	23804160	23803956
			AGS Reference	ES	ES	ES	ES	ES	ES
Moisture Content Ratio (% of as received sample)	%	PM024		2.1	21	14	18	12	14
Exchangeable Ammonia as NH4	<15 mg/kg	TM024					<15 M	<15 M	<15 M
Catechol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenol	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M
Cresols	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M
Resorcinol	<0.05 mg/kg	TM062 (S)		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenols	<0.015 mg/kg	TM062 (S)		<0.015 M	<0.015 M	<0.015 M	<0.015 M	<0.015 M	<0.015 M
1-Naphthol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	0.0348 M	<0.01 M	<0.01 M	<0.01 M
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)		0.0613 M	<0.015 M	<0.015 M	<0.015 M	<0.015 M	<0.015 M
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)		0.0613 M	<0.06 M	<0.06 M	<0.06 M	<0.06 M	<0.06 M
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Soil Organic Matter (SOM)	<0.35 %	TM132					1.07 #	0.571 #	1.52 #
pH	1 pH Units	TM133					9.73 M	9.4 M	10.1 M
Chromium, Hexavalent	<0.6 mg/kg	TM151					<0.6 #	<0.6 #	<0.6 #
Cyanide, Total	<1 mg/kg	TM153					<1 @ M	<1 @ M	<1 M
Arsenic	<0.6 mg/kg	TM181					16.7 M	14.7 M	6.27 M
Barium	<0.6 mg/kg	TM181					29.7 #	23 #	39.5 #
Beryllium	<0.01 mg/kg	TM181					0.221 M	0.574 M	0.252 M
Cadmium	<0.02 mg/kg	TM181					<0.02 M	<0.02 M	0.308 M
Chromium	<0.9 mg/kg	TM181					10.6 M	14.5 M	9.39 M
Copper	<1.4 mg/kg	TM181					21.1 M	31.4 M	20.9 M
Lead	<0.7 mg/kg	TM181					16.5 M	23 M	88.2 M
Mercury	<0.1 mg/kg	TM181					<0.1 M	<0.1 M	<0.1 M
Nickel	<0.2 mg/kg	TM181					12.9 M	13.4 M	15.1 M
Selenium	<1 mg/kg	TM181					<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181					26.2 #	32.3 #	14.7 #
Zinc	<1.9 mg/kg	TM181					31.5 M	41.2 M	72.7 M
Sulphate, Total	<48 mg/kg	TM221					329 M	424 M	361 M
Boron, water soluble	<1 mg/kg	TM222					1.6 M	1.4 M	1.33 M

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH5	BH5	TP1	TP1	TP1	TP2
			Depth (m)	0.90 - 0.90	3.00 - 3.00	0.10 - 0.10	0.70 - 0.70	1.15 - 1.15	0.20 - 0.20
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	18/02/2021	18/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23803975	23803996	23803933	23803966	23804064	23804072
			AGS Reference	ES	ES	ES	ES	ES	ES
Moisture Content Ratio (% of as received sample)	%	PM024		12	17	15	19	9.8	20
Nitrocellulose*	<2 mg/kg	SUB				<5000			
HMX*	<2 mg/kg	SUB				<2			
RDX*	<2 mg/kg	SUB				<2			
Ethylene glycol dinitrate (EGDN) *	<1 mg/kg	SUB				<1			
Tetryl*	<1 mg/kg	SUB				<1			
Nitroglycerine*	<1 mg/kg	SUB				<1			
Trinitrotoluene (TNT)*	<0.1 mg/kg	SUB				<0.1			
2,6-Dinitrotoluene (2,6-DNT)*	<1 mg/kg	SUB				<1			
2,4-Dinitrotoluene (2,4-DNT)*	<1 mg/kg	SUB				<1			
PETN*	<5 mg/kg	SUB				<5			
Hexanitrostilbene (HNS)*	<0.5 mg/kg	SUB				<0.5			
Picrite*	<0.25 mg/kg	SUB				<0.25			
Picric acid*	<0.1 mg/kg	SUB				<0.1			
Exchangeable Ammonia as NH4	<15 mg/kg	TM024		<15 #	<15 M		<15 M	<15 M	
Catechol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01		<0.01	<0.01	
Phenol	<0.01 mg/kg	TM062 (S)		<0.01 #	<0.01 M		<0.01 M	<0.01 M	
Cresols	<0.01 mg/kg	TM062 (S)		<0.01 #	<0.01 M		0.0248 M	<0.01 M	
Resorcinol	<0.05 mg/kg	TM062 (S)		<0.05	<0.05		<0.05	<0.05	
Xylenols	<0.015 mg/kg	TM062 (S)		<0.015 #	<0.015 M		0.0248 M	<0.015 M	
1-Naphthol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01		0.0124	<0.01	
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)		<0.01 #	<0.01 M		0.0124 M	<0.01 M	
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)		<0.015 #	<0.015 M		0.0248 M	<0.015 M	
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)		<0.06 #	<0.06 M		0.0868 M	<0.06 M	
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)		<0.13	<0.13		<0.13	<0.13	
Soil Organic Matter (SOM)	<0.35 %	TM132		<0.35 #	1.35 #		5.95 #	2.72 #	
pH	1 pH Units	TM133		10.3 #	8.7 M		8.49 M	8.58 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #		<1.2 #	<0.6 #	
Cyanide, Total	<1 mg/kg	TM153		<1 #	<1 M		<1 @ M	<1 @ M	
Arsenic	<0.6 mg/kg	TM181		2.28 #	10.2 M		40 M	22.6 M	
Barium	<0.6 mg/kg	TM181		27.7 #	66.7 #		193 #	121 #	
Beryllium	<0.01 mg/kg	TM181		0.106 #	0.319 M		0.0562 M	<0.01 M	

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	BH5	BH5	TP1	TP1	TP1	TP2
Customer Sample Ref.								
Depth (m)			0.90 - 0.90	3.00 - 3.00	0.10 - 0.10	0.70 - 0.70	1.15 - 1.15	0.20 - 0.20
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			18/02/2021	18/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
Sampled Time			.	.	.	.	.	.
Date Received			24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
SDG Ref			210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
Lab Sample No.(s)			23803975	23803996	23803933	23803966	23804064	23804072
AGS Reference			ES	ES	ES	ES	ES	ES
Cadmium	<0.02 mg/kg	TM181	0.488 #	<0.02 M		3.24 M	1.12 M	
Chromium	<0.9 mg/kg	TM181	3.66 #	13.7 M		69 M	18.7 M	
Copper	<1.4 mg/kg	TM181	5.55 #	23.6 M		283 M	321 M	
Lead	<0.7 mg/kg	TM181	16.3 #	394 M		356 M	208 M	
Mercury	<0.1 mg/kg	TM181	<0.1 #	0.699 M		1.32 M	0.237 M	
Nickel	<0.2 mg/kg	TM181	2.76 #	13 M		59.9 M	20.6 M	
Selenium	<1 mg/kg	TM181	<1 #	<1 #		<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181	5.86 #	26.1 #		17.3 #	23.7 #	
Zinc	<1.9 mg/kg	TM181	80.9 #	56.8 M		584 M	408 M	
Sulphate, Total	<48 mg/kg	TM221	703 #	575 M		2110 M	409 M	
Boron, water soluble	<1 mg/kg	TM222	<1 #	1.26 M		4.27 M	2.3 M	

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	TP2	TP2	TP3	TP3	TP3	TP4
			Depth (m)	0.60 - 0.60	0.80 - 1.00	0.30 - 0.30	0.80 - 0.80	1.80 - 1.80	0.10 - 0.10
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23804078	23804084	23804093	23804099	23804048	23804112
			AGS Reference	ES	ES	ES	ES	ES	ES
Moisture Content Ratio (% of as received sample)	%	PM024		11	19	11	10	12	13
Exchangeable Ammonia as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M		<15 M	
Catechol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01	<0.01		<0.01	
Phenol	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M		<0.01 M	
Cresols	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M		<0.01 M	
Resorcinol	<0.05 mg/kg	TM062 (S)		<0.05	<0.05	<0.05		<0.05	
Xylenols	<0.015 mg/kg	TM062 (S)		<0.015 M	<0.015 M	<0.015 M		<0.015 M	
1-Naphthol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01	0.17		<0.01	
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)		<0.01 M	0.0124 M	<0.01 M		<0.01 M	
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)		<0.015 M	<0.015 M	<0.015 M		<0.015 M	
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)		<0.06 M	<0.06 M	<0.06 M		<0.06 M	
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)		<0.13	<0.13	0.17		<0.13	
Soil Organic Matter (SOM)	<0.35 %	TM132		1.79 #	31.2 #	1.18 #		6.09 #	
pH	1 pH Units	TM133		8.23 M	8.78 M	8.3 M		8.55 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #		<0.6 #	
Cyanide, Total	<1 mg/kg	TM153		<1 @ M	<1 @ M	<1 M		<1 @ M	
Arsenic	<0.6 mg/kg	TM181		13 M	17.1 M	14.7 M		6.62 M	
Barium	<0.6 mg/kg	TM181		120 #	207 #	83.2 #		111 #	
Beryllium	<0.01 mg/kg	TM181		0.158 M	1.44 M	0.336 M		0.611 M	
Cadmium	<0.02 mg/kg	TM181		0.759 M	<0.02 M	0.0206 M		0.858 M	
Chromium	<0.9 mg/kg	TM181		16.9 M	11.6 M	10.3 M		16.1 M	
Copper	<1.4 mg/kg	TM181		158 M	59.9 M	55 M		103 M	
Lead	<0.7 mg/kg	TM181		157 M	227 M	41.3 M		164 M	
Mercury	<0.1 mg/kg	TM181		<0.1 M	<0.1 M	<0.1 M		<0.1 M	
Nickel	<0.2 mg/kg	TM181		16.8 M	25.2 M	10.6 M		22.2 M	
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #		<1 #	
Vanadium	<0.2 mg/kg	TM181		20.1 #	40.5 #	19 #		23.3 #	
Zinc	<1.9 mg/kg	TM181		300 M	279 M	110 M		198 M	
Sulphate, Total	<48 mg/kg	TM221		692 M	1110 M	6980 M		2560 M	
Boron, water soluble	<1 mg/kg	TM222		1.08 M	10.1 M	1.1 M		1.79 M	

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref. TP4				
			Depth (m) 0.50 - 0.50				
			Sample Type Soil/Solid (S)				
			Date Sampled 17/02/2021				
			Sampled Time .				
			Date Received 24/02/2021				
			SDG Ref 210226-121				
			Lab Sample No.(s) 23804120				
			AGS Reference ES				
Moisture Content Ratio (% of as received sample)	%	PM024	10				
Exchangeable Ammonia as NH4	<15 mg/kg	TM024	<15 M				
Catechol	<0.01 mg/kg	TM062 (S)	<0.01				
Phenol	<0.01 mg/kg	TM062 (S)	<0.01 M				
Cresols	<0.01 mg/kg	TM062 (S)	<0.01 M				
Resorcinol	<0.05 mg/kg	TM062 (S)	<0.05				
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015 M				
1-Naphthol	<0.01 mg/kg	TM062 (S)	<0.01				
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)	<0.01 M				
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)	<0.015 M				
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)	<0.06 M				
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)	<0.13				
Soil Organic Matter (SOM)	<0.35 %	TM132	<0.35 #				
pH	1 pH Units	TM133	8.94 M				
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #				
Cyanide, Total	<1 mg/kg	TM153	<1 M				
Arsenic	<0.6 mg/kg	TM181	6.71 M				
Barium	<0.6 mg/kg	TM181	21.5 #				
Beryllium	<0.01 mg/kg	TM181	0.208 M				
Cadmium	<0.02 mg/kg	TM181	<0.02 M				
Chromium	<0.9 mg/kg	TM181	4.46 M				
Copper	<1.4 mg/kg	TM181	18.2 M				
Lead	<0.7 mg/kg	TM181	21.7 M				
Mercury	<0.1 mg/kg	TM181	<0.1 M				
Nickel	<0.2 mg/kg	TM181	4.91 M				
Selenium	<1 mg/kg	TM181	<1 #				
Vanadium	<0.2 mg/kg	TM181	12.4 #				
Zinc	<1.9 mg/kg	TM181	46.3 M				
Sulphate, Total	<48 mg/kg	TM221	505 M				
Boron, water soluble	<1 mg/kg	TM222	<1 M				

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Organotins on soils*

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH4	TP2	TP3			
			Depth (m)	0.60 - 0.60	0.20 - 0.20	0.80 - 0.80			
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
			Date Sampled	17/02/2021	17/02/2021	17/02/2021			
			Sampled Time	.	.	.			
			Date Received	24/02/2021	24/02/2021	24/02/2021			
			SDG Ref	210226-121	210226-121	210226-121			
			Lab Sample No.(s)	23804150	23804072	23804099			
			AGS Reference	ES	ES	ES			
Dibutyl Tin*	mg/kg	SUB		<0.02	<0.02	<0.02			
Tributyl Tin*	mg/kg	SUB		<0.02	0.05	<0.02			
Triphenyl Tin*	mg/kg	SUB		<0.05	<0.05	<0.05			
Tetrabutyl Tin*	mg/kg	SUB		<0.02	<0.02	<0.02			
Monobutyl Tin*	mg/kg	SUB		<0.15	<0.15	<0.15			
Monophenyl Tin*	mg/kg	SUB		<0.02	<0.02	<0.02			
Diphenyl Tin*	mg/kg	SUB		<0.02	<0.02	<0.02			

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH3	BH3	BH3	BH4	BH4	BH5
			Depth (m)	2.00 - 2.00	3.00 - 3.00	5.00 - 5.00	0.60 - 0.60	1.00 - 1.00	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021	18/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23804126	23804132	23804138	23804150	23804160	23803956
			AGS Reference	ES	ES	ES	ES	ES	ES
Phenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.2	<0.2	<0.2	<0.1	<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH3	BH3	BH3	BH4	BH4	BH5
			Depth (m)	2.00 - 2.00	3.00 - 3.00	5.00 - 5.00	0.60 - 0.60	1.00 - 1.00	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021	18/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23804126	23804132	23804138	23804150	23804160	23803956
			AGS Reference	ES	ES	ES	ES	ES	ES
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	0.362
Benzo(a)anthracene	<0.1 mg/kg	TM157		0.163	0.165	<0.1	<0.1	<0.1	1.52
Benzo(b)fluoranthene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	1.14
Benzo(k)fluoranthene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	0.909
Benzo(a)pyrene	<0.1 mg/kg	TM157		0.102	0.127	<0.1	<0.1	0.113	1.2
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	0.499
Chrysene	<0.1 mg/kg	TM157		0.133	0.14	<0.1	<0.1	<0.1	1.29
Fluoranthene	<0.1 mg/kg	TM157		0.214	0.203	<0.1	<0.1	<0.1	3.13
Fluorene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	0.849
Phenanthrene	<0.1 mg/kg	TM157		0.102	0.127	<0.1	<0.1	<0.1	1.41
Pyrene	<0.1 mg/kg	TM157		0.286	0.267	<0.1	<0.1	<0.1	2.35
Naphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH5	BH5	TP1	TP1	TP2	TP2
			Depth (m)	0.90 - 0.90	3.00 - 3.00	0.70 - 0.70	1.15 - 1.15	0.60 - 0.60	0.80 - 1.00
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	18/02/2021	18/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23803975	23803996	23803966	23804064	23804078	23804084
			AGS Reference	ES	ES	ES	ES	ES	ES
Phenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	0.298	<0.2	<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	9.32	<0.2	<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1	<0.1	0.67	<0.2	<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1	<0.1	0.732	<0.2	<0.1	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	6.01	<0.2	<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	0.484	<0.2	<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH5	BH5	TP1	TP1	TP2	TP2
			Depth (m)	0.90 - 0.90	3.00 - 3.00	0.70 - 0.70	1.15 - 1.15	0.60 - 0.60	0.80 - 1.00
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	18/02/2021	18/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23803975	23803996	23803966	23804064	23804078	23804084
			AGS Reference	ES	ES	ES	ES	ES	ES
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	0.124	<0.2	<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
1,4-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	0.409	<0.2	<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157		<0.1	<0.1	0.161	0.244	<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157		<0.1	<0.1	1.22	<0.2	<0.1	<0.1
Anthracene	<0.1 mg/kg	TM157		<0.1	<0.1	1.56	0.699	<0.1	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157		0.175	<0.1	6.1	2.63	0.172	0.186
Benzo(b)fluoranthene	<0.1 mg/kg	TM157		0.114	<0.1	5.47	2.01	0.122	0.149
Benzo(k)fluoranthene	<0.1 mg/kg	TM157		<0.1	<0.1	4.41	2.12	<0.1	0.149
Benzo(a)pyrene	<0.1 mg/kg	TM157		0.127	<0.1	5.46	2.71	0.15	0.161
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157		<0.1	<0.1	3.56	1.29	<0.1	<0.1
Chrysene	<0.1 mg/kg	TM157		0.169	<0.1	5.67	2.83	0.148	0.211
Fluoranthene	<0.1 mg/kg	TM157		0.337	<0.1	7.03	6.67	0.299	0.198
Fluorene	<0.1 mg/kg	TM157		<0.1	<0.1	1.1	0.222	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157		0.137	<0.1	5.34	1.85	0.158	0.149
Phenanthrene	<0.1 mg/kg	TM157		0.194	<0.1	6.62	3.57	0.15	0.124
Pyrene	<0.1 mg/kg	TM157		0.289	<0.1	11.1	5.78	0.285	0.335
Naphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	0.893	<0.2	<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157		<0.1	<0.1	0.769	<0.2	<0.1	<0.1
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.2	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Customer Sample Ref.	TP3	TP3	TP4			
Depth (m)	0.30 - 0.30	1.80 - 1.80	0.50 - 0.50			
Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
Date Sampled	17/02/2021	17/02/2021	17/02/2021			
Sampled Time	.	.	.			
Date Received	24/02/2021	24/02/2021	24/02/2021			
SDG Ref	210226-121	210226-121	210226-121			
Lab Sample No.(s)	23804093	23804048	23804120			
AGS Reference	ES	ES	ES			

Component	LOD/Units	Method						
Phenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Pentachlorophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Nitrobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Isophorone	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Hexachloroethane	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157	<0.2	<1	<0.1			
Hexachlorobutadiene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Hexachlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
n-Dioctyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Dimethyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Diethyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
n-Dibutyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Dibenzofuran	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Carbazole	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Butylbenzyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
Azobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
4-Nitrophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
4-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
4-Methylphenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
4-Chlorophenylphenylether	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
4-Chloroaniline	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
4-Bromophenylphenylether	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
3-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
2-Nitrophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
2-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
2-Methylphenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1			

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	TP3	TP3	TP4			
			Depth (m)	0.30 - 0.30	1.80 - 1.80	0.50 - 0.50			
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
			Date Sampled	17/02/2021	17/02/2021	17/02/2021			
			Sampled Time	.	.	.			
			Date Received	24/02/2021	24/02/2021	24/02/2021			
			SDG Ref	210226-121	210226-121	210226-121			
			Lab Sample No.(s)	23804093	23804048	23804120			
			AGS Reference	ES	ES	ES			
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
1,4-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
1,3-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
1,2-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
2-Chloronaphthalene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
2-Methylnaphthalene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
Acenaphthylene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
Acenaphthene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
Anthracene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
Benzo(a)anthracene	<0.1 mg/kg	TM157		<0.1	<0.5	0.178			
Benzo(b)fluoranthene	<0.1 mg/kg	TM157		0.147	<0.5	0.411			
Benzo(k)fluoranthene	<0.1 mg/kg	TM157		<0.1	<0.5	0.233			
Benzo(a)pyrene	<0.1 mg/kg	TM157		<0.1	<0.5	0.167			
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157		<0.1	<0.5	0.167			
Chrysene	<0.1 mg/kg	TM157		0.113	<0.5	0.167			
Fluoranthene	<0.1 mg/kg	TM157		0.158	0.798	0.178			
Fluorene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157		<0.1	<0.5	0.211			
Phenanthrene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
Pyrene	<0.1 mg/kg	TM157		0.17	0.832	0.244			
Naphthalene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157		<0.1	<0.5	<0.1			

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH3	BH3	BH3	BH4	BH4	BH5
			Depth (m)	2.00 - 2.00	3.00 - 3.00	5.00 - 5.00	0.60 - 0.60	1.00 - 1.00	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021	18/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23804126	23804132	23804138	23804150	23804160	23803956
			AGS Reference	ES	ES	ES	ES	ES	ES
GRO Surrogate % recovery**	%	TM089		121	163 4 @	91.2 @	108 @	115	121
Aliphatics >C5-C6	<0.01 mg/kg	TM089		<0.01	<0.01 4 @	<0.01 @	0.0111 @	<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089		0.0194	0.0191 4 @	<0.01 @	0.0185 @	<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089		0.0827	0.0406 4 @	0.0232 @	0.0332 @	<0.01	<0.01
Aliphatics >C10-C12	<1 mg/kg	TM414		<1	<1	<1	<1	<1	<1
Aliphatics >C12-C16	<1 mg/kg	TM414		<1	<1	<1	<1	<1	<1
Aliphatics >C16-C21	<1 mg/kg	TM414		<1	1.3	<1	3.9	<1	9.33
Aliphatics >C21-C35	<1 mg/kg	TM414		<1	6.78	<1	1.05	<1	28.4
Aliphatics >C35-C44	<1 mg/kg	TM414		<1	<1	<1	<1	<1	6.01
Total Aliphatics >C10-C44	<5 mg/kg	TM414		<5	9.05	<5	5.49	<5	44.4
Total Aliphatics & Aromatics >C10-C44	<10 mg/kg	TM414		<10	61.2	<10	<10	<10	79.2
Aromatics >EC5-EC7	<0.01 mg/kg	TM089		<0.01	<0.01 4 @	<0.01 @	<0.01 @	<0.01	<0.01
Aromatics >EC7-EC8	<0.01 mg/kg	TM089		<0.01	<0.01 4 @	<0.01 @	<0.01 @	<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089		0.0551	0.0279 4 @	0.0151 @	0.0221 @	<0.01	<0.01
Aromatics > EC10-EC12	<1 mg/kg	TM414		<1	<1	<1	<1	<1	<1
Aromatics > EC12-EC16	<1 mg/kg	TM414		<1	2.29	<1	<1	<1	<1
Aromatics > EC16-EC21	<1 mg/kg	TM414		<1	16.2	<1	<1	<1	5.15
Aromatics > EC21-EC35	<1 mg/kg	TM414		<1	31.5	<1	2.79	<1	26.2
Aromatics >EC35-EC44	<1 mg/kg	TM414		<1	1.82	<1	<1	<1	3.4
Aromatics > EC40-EC44	<1 mg/kg	TM414		<1	<1	<1	<1	<1	<1
Total Aromatics > EC10-EC44	<5 mg/kg	TM414		<5	52.1	<5	<5	<5	34.9
Total Aliphatics & Aromatics >C5-C44	<10 mg/kg	TM414		<10	61.2	<10	<10	<10	79.2
Total Aliphatics >C5-C10	<0.05 mg/kg	TM089		0.102	0.0597 4 @	<0.05 @	0.0627 @	<0.05	<0.05
Total Aromatics >EC5-EC10	<0.05 mg/kg	TM089		0.0551	<0.05 4 @	<0.05 @	<0.05 @	<0.05	<0.05
GRO >C5-C10	<0.02 mg/kg	TM089		0.157	0.0597 4 @	<0.02 @	0.0627 @	<0.02	<0.02

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH5	BH5	TP1	TP1	TP2	TP2
			Depth (m)	0.90 - 0.90	3.00 - 3.00	0.70 - 0.70	1.15 - 1.15	0.60 - 0.60	0.80 - 1.00
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	18/02/2021	18/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23803975	23803996	23803966	23804064	23804078	23804084
			AGS Reference	ES	ES	ES	ES	ES	ES
GRO Surrogate % recovery**	%	TM089		119	118	78	118	101	109
Aliphatics >C5-C6	<0.01 mg/kg	TM089		<0.01	<0.01	0.0136	<0.01	0.0192	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089		<0.01	<0.01	0.0347	<0.01	<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089		<0.01	<0.01	0.877	0	0.0136	<0.01
Aliphatics >C10-C12	<1 mg/kg	TM414		<1	<1	3.89	<1	<1	<1
Aliphatics >C12-C16	<1 mg/kg	TM414		<1	<1	80.7	3.99	8.67	<1
Aliphatics >C16-C21	<1 mg/kg	TM414		<1	<1	837	29.4	129	<1
Aliphatics >C21-C35	<1 mg/kg	TM414		8.34	<1	1890	74.3	89	1.13
Aliphatics >C35-C44	<1 mg/kg	TM414		<1	<1	625	29.1	41.3	<1
Total Aliphatics >C10-C44	<5 mg/kg	TM414		8.87	<5	3440	137	268	<5
Total Aliphatics & Aromatics >C10-C44	<10 mg/kg	TM414		23.3	<10	4080	435	1070	10.2
Aromatics >EC5-EC7	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >EC7-EC8	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089		<0.01	<0.01	0.584	<0.01	<0.01	<0.01
Aromatics > EC10-EC12	<1 mg/kg	TM414		<1	<1	2.54	<1	<1	<1
Aromatics > EC12-EC16	<1 mg/kg	TM414		<1	<1	40.5	13.9	6.05	<1
Aromatics > EC16-EC21	<1 mg/kg	TM414		3.23	<1	90.9	77.8	13.4	1.8
Aromatics > EC21-EC35	<1 mg/kg	TM414		10.2	<1	496	184	773	5.78
Aromatics >EC35-EC44	<1 mg/kg	TM414		<1	<1	13.7	21.8	12.6	<1
Aromatics > EC40-EC44	<1 mg/kg	TM414		<1	<1	1.54	3.94	4.68	<1
Total Aromatics > EC10-EC44	<5 mg/kg	TM414		14.4	<5	644	298	805	8.73
Total Aliphatics & Aromatics >C5-C44	<10 mg/kg	TM414		23.3	<10	4080	435	1070	<10
Total Aliphatics >C5-C10	<0.05 mg/kg	TM089		<0.05	<0.05	0.925	<0.05	<0.05	<0.05
Total Aromatics >EC5-EC10	<0.05 mg/kg	TM089		<0.05	<0.05	0.584	<0.05	<0.05	<0.05
GRO >C5-C10	<0.02 mg/kg	TM089		<0.02	<0.02	1.51	<0.02	<0.02	<0.02

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Customer Sample Ref.	TP3	TP3	TP4			
Depth (m)	0.30 - 0.30	1.80 - 1.80	0.50 - 0.50			
Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
Date Sampled	17/02/2021	17/02/2021	17/02/2021			
Sampled Time	.	.	.			
Date Received	24/02/2021	24/02/2021	24/02/2021			
SDG Ref	210226-121	210226-121	210226-121			
Lab Sample No.(s)	23804093	23804048	23804120			
AGS Reference	ES	ES	ES			

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	77.2 @	122	125			
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01 @	<0.01	<0.01			
Aliphatics >C6-C8	<0.01 mg/kg	TM089	0.0305 @	<0.01	<0.01			
Aliphatics >C8-C10	<0.01 mg/kg	TM089	0.0825 @	<0.01	<0.01			
Aliphatics >C10-C12	<1 mg/kg	TM414	2.37	<1	<1			
Aliphatics >C12-C16	<1 mg/kg	TM414	149	36.3	12.7			
Aliphatics >C16-C21	<1 mg/kg	TM414	2730	308	60.2			
Aliphatics >C21-C35	<1 mg/kg	TM414	2100	124	53.5			
Aliphatics >C35-C44	<1 mg/kg	TM414	77.6	<1	3			
Total Aliphatics >C10-C44	<5 mg/kg	TM414	5060	470	129			
Total Aliphatics & Aromatics >C10-C44	<10 mg/kg	TM414	5550	727	151			
Aromatics >EC5-EC7	<0.01 mg/kg	TM089	<0.01 @	<0.01	<0.01			
Aromatics >EC7-EC8	<0.01 mg/kg	TM089	<0.01 @	<0.01	<0.01			
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	0.0554 @	<0.01	<0.01			
Aromatics > EC10-EC12	<1 mg/kg	TM414	<1	<1	<1			
Aromatics > EC12-EC16	<1 mg/kg	TM414	24.4	<1	<1			
Aromatics > EC16-EC21	<1 mg/kg	TM414	31.1	14.4	<1			
Aromatics > EC21-EC35	<1 mg/kg	TM414	427	195	20.2			
Aromatics >EC35-EC44	<1 mg/kg	TM414	7.9	47.2	<1			
Aromatics > EC40-EC44	<1 mg/kg	TM414	1.01	11.4	<1			
Total Aromatics > EC10-EC44	<5 mg/kg	TM414	490	258	21.7			
Total Aliphatics & Aromatics >C5-C44	<10 mg/kg	TM414	5550	727	151			
Total Aliphatics >C5-C10	<0.05 mg/kg	TM089	0.113 @	<0.05	<0.05			
Total Aromatics >EC5-EC10	<0.05 mg/kg	TM089	0.0554 @	<0.05	<0.05			
GRO >C5-C10	<0.02 mg/kg	TM089	0.168 @	<0.02	<0.02			

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH3	BH3	BH3	BH4	BH4	BH5
			Depth (m)	2.00 - 2.00	3.00 - 3.00	5.00 - 5.00	0.60 - 0.60	1.00 - 1.00	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021	18/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23804126	23804132	23804138	23804150	23804160	23803956
			AGS Reference	ES	ES	ES	ES	ES	ES
Dibromofluoromethane**	%	TM116		112	113	108 @	106	114	110
Toluene-d8**	%	TM116		99.6	99.5	99.2 @	98.6	99.5	98
4-Bromofluorobenzene**	%	TM116		94.7	95	96.7 @	94.4	93.8	95.3
Dichlorodifluoromethane	<0.006 mg/kg	TM116		<0.06 M	<0.06 M	<0.06 @ M	<0.06 M	<0.06 M	
Chloromethane	<0.007 mg/kg	TM116		<0.07 #	<0.07 #	<0.07 @ #	<0.07 #	<0.07 #	
Vinyl Chloride	<0.006 mg/kg	TM116		<0.06 @ M	<0.06 @ M	<0.06 @ M	<0.06 @ M	<0.06 @ M	
Bromomethane	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Chloroethane	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Trichlorofluorormethane	<0.006 mg/kg	TM116		<0.06 M	<0.06 M	<0.06 @ M	<0.06 M	<0.06 M	
1,1-Dichloroethene	<0.01 mg/kg	TM116		<0.1 #	<0.1 #	<0.1 @ #	<0.1 #	<0.1 #	
Carbon Disulphide	<0.007 mg/kg	TM116		<0.07 M	<0.07 M	<0.07 @ M	<0.07 M	<0.07 M	
Dichloromethane	<0.01 mg/kg	TM116		<0.1 #	<0.1 #	<0.1 @ #	<0.1 #	<0.1 #	
Methyl Tertiary Butyl Ether	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	<0.1 M
trans-1,2-Dichloroethene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
1,1-Dichloroethane	<0.008 mg/kg	TM116		<0.08 M	<0.08 M	<0.08 @ M	<0.08 M	<0.08 M	
cis-1,2-Dichloroethene	<0.006 mg/kg	TM116		<0.06 M	<0.06 M	<0.06 @ M	<0.06 M	<0.06 M	
2,2-Dichloropropane	<0.01 mg/kg	TM116		<0.1	<0.1	<0.1 @	<0.1	<0.1	
Bromochloromethane	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Chloroform	<0.008 mg/kg	TM116		<0.08 M	<0.08 M	<0.08 @ M	<0.08 M	<0.08 M	
1,1,1-Trichloroethane	<0.007 mg/kg	TM116		<0.07 M	<0.07 M	<0.07 @ M	<0.07 M	<0.07 M	
1,1-Dichloropropene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Carbontetrachloride	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
1,2-Dichloroethane	<0.005 mg/kg	TM116		<0.05 M	<0.05 M	<0.05 @ M	<0.05 M	<0.05 M	
Benzene	<0.009 mg/kg	TM116		<0.09 M	<0.09 M	<0.09 @ M	<0.09 M	<0.09 M	<0.09 M
Trichloroethene	<0.009 mg/kg	TM116		<0.09 #	<0.09 #	<0.09 @ #	<0.09 #	<0.09 #	
1,2-Dichloropropane	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Dibromomethane	<0.009 mg/kg	TM116		<0.09 M	<0.09 M	<0.09 @ M	<0.09 M	<0.09 M	
Bromodichloromethane	<0.007 mg/kg	TM116		<0.07 M	<0.07 M	<0.07 @ M	<0.07 M	<0.07 M	
cis-1,3-Dichloropropene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Toluene	<0.007 mg/kg	TM116		<0.07 M	<0.07 M	<0.07 @ M	<0.07 M	<0.07 M	<0.07 M
trans-1,3-Dichloropropene	<0.01 mg/kg	TM116		<0.1	<0.1	<0.1 @	<0.1	<0.1	
1,1,2-Trichloroethane	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH3	BH3	BH3	BH4	BH4	BH5
			Depth (m)	2.00 - 2.00	3.00 - 3.00	5.00 - 5.00	0.60 - 0.60	1.00 - 1.00	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021	18/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23804126	23804132	23804138	23804150	23804160	23803956
			AGS Reference	ES	ES	ES	ES	ES	ES
1,3-Dichloropropane	<0.007 mg/kg	TM116		<0.07 M	<0.07 M	<0.07 @ M	<0.07 M	<0.07 M	
Tetrachloroethene	<0.005 mg/kg	TM116		<0.05 M	<0.05 M	<0.05 @ M	<0.05 M	<0.05 M	
Dibromochloromethane	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
1,2-Dibromoethane	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Chlorobenzene	<0.005 mg/kg	TM116		<0.05 M	<0.05 M	<0.05 @ M	<0.05 M	<0.05 M	
1,1,1,2-Tetrachloroethane	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Ethylbenzene	<0.004 mg/kg	TM116		<0.04 M	<0.04 M	<0.04 @ M	<0.04 M	<0.04 M	<0.04 M
p/m-Xylene	<0.01 mg/kg	TM116		<0.1 #	<0.1 #	<0.1 @ #	<0.1 #	<0.1 #	<0.1 #
o-Xylene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	<0.1 M
Styrene	<0.01 mg/kg	TM116		<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	
Bromoform	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Isopropylbenzene	<0.005 mg/kg	TM116		<0.05 #	<0.05 #	<0.05 @ #	<0.05 #	<0.05 #	
1,1,2,2-Tetrachloroethane	<0.01 mg/kg	TM116		<0.1 #	<0.1 #	<0.1 @ #	<0.1 #	<0.1 #	
1,2,3-Trichloropropane	<0.016 mg/kg	TM116		<0.16 M	<0.16 M	<0.16 @ M	<0.16 M	<0.16 M	
Bromobenzene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
Propylbenzene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
2-Chlorotoluene	<0.009 mg/kg	TM116		<0.09 M	<0.09 M	<0.09 @ M	<0.09 M	<0.09 M	
1,3,5-Trimethylbenzene	<0.008 mg/kg	TM116		<0.08 M	<0.08 M	<0.08 @ M	<0.08 M	<0.08 M	
4-Chlorotoluene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
tert-Butylbenzene	<0.014 mg/kg	TM116		<0.14 M	<0.14 M	<0.14 @ M	<0.14 M	<0.14 M	
1,2,4-Trimethylbenzene	<0.009 mg/kg	TM116		<0.09 #	<0.09 #	<0.09 @ #	<0.09 #	<0.09 #	
sec-Butylbenzene	<0.01 mg/kg	TM116		<0.1	<0.1	<0.1 @	<0.1	<0.1	
4-Isopropyltoluene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
1,3-Dichlorobenzene	<0.008 mg/kg	TM116		<0.08 M	<0.08 M	<0.08 @ M	<0.08 M	<0.08 M	
1,4-Dichlorobenzene	<0.005 mg/kg	TM116		<0.05 M	<0.05 M	<0.05 @ M	<0.05 M	<0.05 M	
n-Butylbenzene	<0.011 mg/kg	TM116		<0.11	<0.11	<0.11 @	<0.11	<0.11	
1,2-Dichlorobenzene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 @ M	<0.1 M	<0.1 M	
1,2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116		<0.14 M	<0.14 M	<0.14 @ M	<0.14 M	<0.14 M	
Tert-amyl methyl ether	<0.01 mg/kg	TM116		<0.1 #	<0.1 #	<0.1 @ #	<0.1 #	<0.1 #	
1,2,4-Trichlorobenzene	<0.02 mg/kg	TM116		<0.2	<0.2	<0.2 @	<0.2	<0.2	
Hexachlorobutadiene	<0.02 mg/kg	TM116		<0.2	<0.2	<0.2 @	<0.2	<0.2	
Naphthalene	<0.013 mg/kg	TM116		<0.13 M	<0.13 M	<0.13 @ M	<0.13 M	<0.13 M	

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH3	BH3	BH3	BH4	BH4	BH5
			Depth (m)	2.00 - 2.00	3.00 - 3.00	5.00 - 5.00	0.60 - 0.60	1.00 - 1.00	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	17/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021	18/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23804126	23804132	23804138	23804150	23804160	23803956
			AGS Reference	ES	ES	ES	ES	ES	ES
1,2,3-Trichlorobenzene	<0.02 mg/kg	TM116		<0.2 #	<0.2 #	<0.2 @ #	<0.2 #	<0.2 #	
1,3,5-Trichlorobenzene	<0.02 mg/kg	TM116		<0.2	<0.2	<0.2	<0.2	<0.2	
Sum of Detected Xylenes	<0.02 mg/kg	TM116		<0.2	<0.2	<0.2 @	<0.2	<0.2	<0.2
Sum of BTEX	<0.04 mg/kg	TM116		<0.4	<0.4	<0.4 @	<0.4	<0.4	<0.4

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH5	BH5	TP1	TP1	TP2	TP2
			Depth (m)	0.90 - 0.90	3.00 - 3.00	0.70 - 0.70	1.15 - 1.15	0.60 - 0.60	0.80 - 1.00
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	18/02/2021	18/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23803975	23803996	23803966	23804064	23804078	23804084
			AGS Reference	ES	ES	ES	ES	ES	ES
Dibromofluoromethane**	%	TM116		111	119	112	114	110	106
Toluene-d8**	%	TM116		102	97.8	93.1	99.2	98.4	99.1
4-Bromofluorobenzene**	%	TM116		94.1	94.1	82.5	91.1	90.2	89.2
Dichlorodifluoromethane	<0.006 mg/kg	TM116				<0.06 M	<0.06 M		
Chloromethane	<0.007 mg/kg	TM116				<0.07 #	<0.07 #		
Vinyl Chloride	<0.006 mg/kg	TM116				<0.06 @ M	<0.06 @ M		
Bromomethane	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Chloroethane	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Trichlorofluorormethane	<0.006 mg/kg	TM116				<0.06 M	<0.06 M		
1,1-Dichloroethene	<0.01 mg/kg	TM116				<0.1 #	<0.1 #		
Carbon Disulphide	<0.007 mg/kg	TM116				<0.07 M	<0.07 M		
Dichloromethane	<0.01 mg/kg	TM116				<0.1 #	<0.1 #		
Methyl Tertiary Butyl Ether	<0.01 mg/kg	TM116	<0.1 #		<0.1 M	<0.1 M	<0.1 M	<0.1 M	<0.1 M
trans-1,2-Dichloroethene	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
1,1-Dichloroethane	<0.008 mg/kg	TM116				<0.08 M	<0.08 M		
cis-1,2-Dichloroethene	<0.006 mg/kg	TM116				<0.06 M	<0.06 M		
2,2-Dichloropropane	<0.01 mg/kg	TM116				<0.1	<0.1		
Bromochloromethane	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Chloroform	<0.008 mg/kg	TM116				<0.08 M	<0.08 M		
1,1,1-Trichloroethane	<0.007 mg/kg	TM116				<0.07 M	<0.07 M		
1,1-Dichloropropene	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Carbontetrachloride	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
1,2-Dichloroethane	<0.005 mg/kg	TM116				<0.05 M	<0.05 M		
Benzene	<0.009 mg/kg	TM116	<0.09 #		<0.09 M	<0.09 M	<0.09 M	<0.09 M	<0.09 M
Trichloroethene	<0.009 mg/kg	TM116				<0.09 #	<0.09 #		
1,2-Dichloropropane	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Dibromomethane	<0.009 mg/kg	TM116				<0.09 M	<0.09 M		
Bromodichloromethane	<0.007 mg/kg	TM116				<0.07 M	<0.07 M		
cis-1,3-Dichloropropene	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Toluene	<0.007 mg/kg	TM116	<0.07 #		<0.07 M	<0.07 M	<0.07 M	<0.07 M	<0.07 M
trans-1,3-Dichloropropene	<0.01 mg/kg	TM116				<0.1	<0.1		
1,1,2-Trichloroethane	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH5	BH5	TP1	TP1	TP2	TP2
			Depth (m)	0.90 - 0.90	3.00 - 3.00	0.70 - 0.70	1.15 - 1.15	0.60 - 0.60	0.80 - 1.00
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	18/02/2021	18/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23803975	23803996	23803966	23804064	23804078	23804084
			AGS Reference	ES	ES	ES	ES	ES	ES
1,3-Dichloropropane	<0.007 mg/kg	TM116				<0.07 M	<0.07 M		
Tetrachloroethene	<0.005 mg/kg	TM116				<0.05 M	<0.05 M		
Dibromochloromethane	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
1,2-Dibromoethane	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Chlorobenzene	<0.005 mg/kg	TM116				<0.05 M	<0.05 M		
1,1,1,2-Tetrachloroethane	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Ethylbenzene	<0.004 mg/kg	TM116	<0.04 #	<0.04 M		0.103 M	<0.04 M	<0.04 M	<0.04 M
p/m-Xylene	<0.01 mg/kg	TM116	<0.1 #	<0.1 #		0.276 #	<0.1 #	<0.1 #	<0.1 #
o-Xylene	<0.01 mg/kg	TM116	<0.1 #	<0.1 M		<0.1 M	<0.1 M	<0.1 M	<0.1 M
Styrene	<0.01 mg/kg	TM116				<0.1 @#	<0.1 @#		
Bromoform	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Isopropylbenzene	<0.005 mg/kg	TM116				<0.05 #	<0.05 #		
1,1,2,2-Tetrachloroethane	<0.01 mg/kg	TM116				<0.1 #	<0.1 #		
1,2,3-Trichloropropane	<0.016 mg/kg	TM116				<0.16 M	<0.16 M		
Bromobenzene	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
Propylbenzene	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
2-Chlorotoluene	<0.009 mg/kg	TM116				<0.09 M	<0.09 M		
1,3,5-Trimethylbenzene	<0.008 mg/kg	TM116				<0.08 M	<0.08 M		
4-Chlorotoluene	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
tert-Butylbenzene	<0.014 mg/kg	TM116				<0.14 M	<0.14 M		
1,2,4-Trimethylbenzene	<0.009 mg/kg	TM116				<0.09 #	<0.09 #		
sec-Butylbenzene	<0.01 mg/kg	TM116				<0.1	<0.1		
4-Isopropyltoluene	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
1,3-Dichlorobenzene	<0.008 mg/kg	TM116				<0.08 M	<0.08 M		
1,4-Dichlorobenzene	<0.005 mg/kg	TM116				<0.05 M	<0.05 M		
n-Butylbenzene	<0.011 mg/kg	TM116				<0.11	<0.11		
1,2-Dichlorobenzene	<0.01 mg/kg	TM116				<0.1 M	<0.1 M		
1,2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116				<0.14 M	<0.14 M		
Tert-amyl methyl ether	<0.01 mg/kg	TM116				<0.1 #	<0.1 #		
1,2,4-Trichlorobenzene	<0.02 mg/kg	TM116				<0.2	<0.2		
Hexachlorobutadiene	<0.02 mg/kg	TM116				<0.2	<0.2		
Naphthalene	<0.013 mg/kg	TM116				<0.13 M	<0.13 M		

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH5	BH5	TP1	TP1	TP2	TP2
			Depth (m)	0.90 - 0.90	3.00 - 3.00	0.70 - 0.70	1.15 - 1.15	0.60 - 0.60	0.80 - 1.00
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	18/02/2021	18/02/2021	17/02/2021	17/02/2021	17/02/2021	17/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-121	210226-121	210226-121	210226-121	210226-121	210226-121
			Lab Sample No.(s)	23803975	23803996	23803966	23804064	23804078	23804084
			AGS Reference	ES	ES	ES	ES	ES	ES
1,2,3-Trichlorobenzene	<0.02 mg/kg	TM116				<0.2 #	<0.2 #		
1,3,5-Trichlorobenzene	<0.02 mg/kg	TM116				<0.2	<0.2		
Sum of Detected Xylenes	<0.02 mg/kg	TM116	<0.2	<0.2	0.276	<0.2	<0.2	<0.2	
Sum of BTEX	<0.04 mg/kg	TM116	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	TP3	TP3	TP4			
			Depth (m)	0.30 - 0.30	1.80 - 1.80	0.50 - 0.50			
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
			Date Sampled	17/02/2021	17/02/2021	17/02/2021			
			Sampled Time	.	.	.			
			Date Received	24/02/2021	24/02/2021	24/02/2021			
			SDG Ref	210226-121	210226-121	210226-121			
			Lab Sample No.(s)	23804093	23804048	23804120			
			AGS Reference	ES	ES	ES			
Dibromofluoromethane**	%	TM116		110 @	115	108			
Toluene-d8**	%	TM116		94.8 @	95.8	99.3			
4-Bromofluorobenzene**	%	TM116		84.2 @	85.9	92.8			
Methyl Tertiary Butyl Ether	<0.01 mg/kg	TM116		<0.1 @ M	<0.1 M	<0.1 M			
Benzene	<0.009 mg/kg	TM116		<0.09 @ M	<0.09 M	<0.09 M			
Toluene	<0.007 mg/kg	TM116		<0.07 @ M	<0.07 M	<0.07 M			
Ethylbenzene	<0.004 mg/kg	TM116		<0.04 @ M	<0.04 M	<0.04 M			
p/m-Xylene	<0.01 mg/kg	TM116		<0.1 @ #	<0.1 #	<0.1 #			
o-Xylene	<0.01 mg/kg	TM116		<0.1 @ M	<0.1 M	<0.1 M			
Sum of Detected Xylenes	<0.02 mg/kg	TM116		<0.2 @	<0.2	<0.2			
Sum of BTEX	<0.04 mg/kg	TM116		<0.4 @	<0.4	<0.4			

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Asbestos Identification - Solid Samples

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
*	Subcontracted test.
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH4ES 0.60 - 0.60 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804150 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH4ES 1.00 - 1.00 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804160 TM048	05/03/2021	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH5ES 0.60 - 0.60 SOLID 18/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23803956 TM048	03/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH5ES 0.90 - 0.90 SOLID 18/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23803975 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH5ES 3.00 - 3.00 SOLID 18/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23803996 TM048	03/03/2021	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP1ES 0.10 - 0.10 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23803933 TM048	03/03/2021	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP1ES 0.70 - 0.70 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23803966 TM048	03/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP1ES 1.15 - 1.15 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804064 TM048	05/03/2021	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP2ES 0.20 - 0.20 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804072 TM048	03/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP2ES 0.60 - 0.60 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804078 TM048	05/03/2021	Agnieszka Chelmowska	Fibre Bundle in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP2ES 0.80 - 1.00 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804084 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP3ES 0.30 - 0.30 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804093 TM048	03/03/2021	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP3ES 0.80 - 0.80 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804099 TM048	03/03/2021	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP3ES 1.80 - 1.80 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804048 TM048	03/03/2021	Barbara Urbanek-Walsh	Loose fibres in soil.	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP4ES 0.10 - 0.10 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804112 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP4ES 0.50 - 0.50 SOLID 17/02/2021 00:00:00 24/02/2021 10:00:00 210226-121 23804120 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		**Site Location**	JHP Land, Tipner West
Mass Sample taken (kg)	0.106	**Natural Moisture Content (%)**	17.9
Mass of dry sample (kg)	0.090	**Dry Matter Content (%)**	84.8
Particle Size <4mm	>95%		

Case	
SDG	210226-121
Lab Sample Number(s)	23804112
Sampled Date	17-Feb-2021
Customer Sample Ref.	TP4 ESZ
Depth (m)	0.10 - 0.10

Eluate Analysis	**C_2** Concⁿ in 10:1 eluate (mg/l)		**A_2** 10:1 concⁿ leached (mg/kg)				
	Result	**Limit of Detection**	**Result**	**Limit of Detection**			
Mercury Dissolved (CVAF)	0.0000147	<0.00001	0.000147	<0.0001	-	-	-
Arsenic	0.00458	<0.0005	0.0458	<0.005	-	-	-
Barium	0.0153	<0.0002	0.153	<0.002	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Boron	0.0158	<0.01	0.158	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Chromium	0.00208	<0.001	0.0208	<0.01	-	-	-
Copper	0.00701	<0.0003	0.0701	<0.003	-	-	-
Lead	0.00724	<0.0002	0.0724	<0.002	-	-	-
Nickel	<0.0004	<0.0004	<0.004	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Vanadium	0.00944	<0.001	0.0944	<0.01	-	-	-
Zinc	0.00731	<0.001	0.0731	<0.01	-	-	-

Leach Test Information

Date Prepared	01-Mar-2021
pH (pH Units)	8.92
Conductivity (µS/cm)	117.00
Temperature (°C)	19.10
Volume Leachant (Litres)	0.884

19/03/2021 09:36:25

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
PM115		Leaching Procedure for CEN One Stage Leach Test 2:1 & 10:1 1 Step
SUB		Subcontracted Test
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material
TM062 (S)	National Grid Property Holdings Methods for the Collection & Analysis of Samples from National Grid Sites version 1 Sec 3.9	Determination of Phenols in Soils by HPLC
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) by Headspace GC-FID (C4-C12)
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM132	In - house Method	ELTRA CS800 Operators Guide
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM221	Inductively Coupled Plasma - Atomic Emission Spectroscopy. An Atlas of Spectral Information: Winge, Fassel, Peterson and Floyd	Determination of Acid extractable Sulphate in Soils by IRIS Emission Spectrometer
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer
TM414	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Test Completion Dates

Lab Sample No(s)	23804126	23804132	23804138	23804150	23804160	23803956	23803975	23803996	23803933	23803966
Customer Sample Ref.	BH3	BH3	BH3	BH4	BH4	BH5	BH5	BH5	TP1	TP1
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Depth	2.00 - 2.00	3.00 - 3.00	5.00 - 5.00	0.60 - 0.60	1.00 - 1.00	0.60 - 0.60	0.90 - 0.90	3.00 - 3.00	0.10 - 0.10	0.70 - 0.70
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Ammonium Soil by Titration				03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021
Asbestos ID in Solid Samples				04-Mar-2021	05-Mar-2021	03-Mar-2021	04-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021
Boron Water Soluble				06-Mar-2021	03-Mar-2021	06-Mar-2021	03-Mar-2021	06-Mar-2021		06-Mar-2021
Cyanide Comp/Free/Total/Thiocyanate				04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021		04-Mar-2021
EPH CWG GC (S)	03-Mar-2021	02-Mar-2021	03-Mar-2021	02-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021
Explosives (Standard Suite)*									16-Mar-2021	
GRO by GC-FID (S)	03-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021
Hexavalent Chromium (s)				03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021
Metals in solid samples by OES				04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021		06-Mar-2021
Organotins on soils*				19-Mar-2021						
pH				02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021		02-Mar-2021
Phenols by HPLC (S)	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021		02-Mar-2021
Sample description	28-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	28-Feb-2021	27-Feb-2021	28-Feb-2021	27-Feb-2021	03-Mar-2021	27-Feb-2021
Semi Volatile Organic Compounds	03-Mar-2021	03-Mar-2021	03-Mar-2021	04-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021		03-Mar-2021
Total Organic Carbon				04-Mar-2021	03-Mar-2021	04-Mar-2021	03-Mar-2021	04-Mar-2021		04-Mar-2021
Total Sulphate				04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021		03-Mar-2021
TPH CWG GC (S)	03-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021
VOC MS (S)	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021

Lab Sample No(s)	23804064	23804072	23804078	23804084	23804048	23804093	23804099	23804112	23804120
Customer Sample Ref.	TP1	TP2	TP2	TP2	TP3	TP3	TP3	TP4	TP4
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	ES	ES
Depth	1.15 - 1.15	0.20 - 0.20	0.60 - 0.60	0.80 - 1.00	1.80 - 1.80	0.30 - 0.30	0.80 - 0.80	0.10 - 0.10	0.50 - 0.50
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Ammonium Soil by Titration	08-Mar-2021		03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021			03-Mar-2021
Asbestos ID in Solid Samples	05-Mar-2021	03-Mar-2021	05-Mar-2021	04-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021
Boron Water Soluble	06-Mar-2021		06-Mar-2021	06-Mar-2021	06-Mar-2021	06-Mar-2021			06-Mar-2021
CEN 10:1 Leachate (1 Stage)								01-Mar-2021	
CEN Readings								02-Mar-2021	
Cyanide Comp/Free/Total/Thiocyanate	10-Mar-2021		04-Mar-2021	04-Mar-2021	04-Mar-2021	02-Mar-2021			02-Mar-2021
Dissolved Metals by ICP-MS								04-Mar-2021	
EPH CWG GC (S)	03-Mar-2021		03-Mar-2021	03-Mar-2021	02-Mar-2021	02-Mar-2021			02-Mar-2021
GRO by GC-FID (S)	03-Mar-2021		03-Mar-2021	03-Mar-2021	03-Mar-2021	04-Mar-2021			03-Mar-2021
Hexavalent Chromium (s)	04-Mar-2021		03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021			03-Mar-2021
Mercury Dissolved								03-Mar-2021	
Metals in solid samples by OES	05-Mar-2021		04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021			04-Mar-2021
Moisture at 105C								01-Mar-2021	
Organotins on soils*		19-Mar-2021					19-Mar-2021		
pH	03-Mar-2021		02-Mar-2021	02-Mar-2021	02-Mar-2021	03-Mar-2021			02-Mar-2021
Phenols by HPLC (S)	03-Mar-2021		02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021			02-Mar-2021
Sample description	28-Feb-2021	03-Mar-2021	28-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	03-Mar-2021	27-Feb-2021	27-Feb-2021
Semi Volatile Organic Compounds	05-Mar-2021		04-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021			03-Mar-2021
Total Organic Carbon	09-Mar-2021		04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021			04-Mar-2021
Total Sulphate	05-Mar-2021		04-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021			04-Mar-2021
TPH CWG GC (S)	03-Mar-2021		03-Mar-2021	03-Mar-2021	03-Mar-2021	04-Mar-2021			03-Mar-2021
VOC MS (S)	03-Mar-2021		03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021			03-Mar-2021

ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 2380	QC 2379	QC 2325
Exchangeable Ammonium as NH4	TM024	**88.56** 76.20 : 110.13	**91.54** 76.20 : 110.13	**89.55** 76.20 : 110.13

Boron Water Soluble

Component	Method Code	QC 2391	QC 2337	QC 2399	QC 2391	QC 2394	QC 2300
Water Soluble Boron	TM222	**79.0** 84.00 : 111.00	**101.5** 84.00 : 111.00	**121.5** 84.00 : 111.00	**102.0** 84.00 : 111.00	**99.5** 84.00 : 111.00	**96.5** 84.00 : 111.00

Cyanide Comp/Free/Total/Thiocyanate

Component	Method Code	QC 2377	QC 2381	QC 2396	QC 2336
Free Cyanide	TM153	**97.92** 79.00 : 115.00	**100.99** 79.00 : 115.00	**102.97** 79.00 : 115.00	**101.98** 79.00 : 115.00
Thiocyanate	TM153	**3032.05** 94.09 : 113.89	**100.64** 94.09 : 113.89	**103.85** 94.09 : 113.89	**97.44** 94.09 : 113.89
Total Cyanide	TM153	**98.6** 73.07 : 107.47	**104.2** 73.07 : 107.47	**104.2** 73.07 : 107.47	**101.4** 73.07 : 107.47

Dissolved Metals by ICP-MS

Component	Method Code	QC 2397
Aluminium	TM152	**103.33** 90.98 : 111.82
Antimony	TM152	**105.0** 90.44 : 113.04
Arsenic	TM152	**103.5** 88.00 : 112.00
Barium	TM152	**97.67** 90.20 : 111.19
Beryllium	TM152	**103.67** 87.77 : 113.97
Bismuth	TM152	**103.0** 91.90 : 112.20
Borate	TM152	**103.7** 88.00 : 112.00
Boron	TM152	**103.67** 96.48 : 114.93
Cadmium	TM152	**103.33** 96.43 : 110.53
Calcium	TM152	**102.0** 81.38 : 119.09
Chromium	TM152	**102.33** 91.84 : 108.67
Cobalt	TM152	**103.0** 88.00 : 112.00

Dissolved Metals by ICP-MS

		QC 2397
Copper	TM152	**104.0** 92.47 : 118.11
Iron	TM152	**102.0** 92.00 : 113.00
Lead	TM152	**99.17** 88.00 : 112.00
Lithium	TM152	**102.67** 91.62 : 113.12
Magnesium	TM152	**98.0** 93.14 : 107.91
Manganese	TM152	**103.17** 95.03 : 110.58
Molybdenum	TM152	**101.5** 88.00 : 112.00
Nickel	TM152	**104.83** 88.00 : 112.00
Phosphorus	TM152	**100.5** 88.00 : 112.00
Potassium	TM152	**101.33** 93.90 : 112.36
Selenium	TM152	**105.67** 91.58 : 115.98
Silver	TM152	**102.83** 88.80 : 122.30
Sodium	TM152	**98.67** 94.28 : 110.71
Strontium	TM152	**104.67** 88.00 : 112.00
Tellurium	TM152	**101.17** 93.32 : 114.66
Thallium	TM152	**88.0** 88.00 : 112.00
Tin	TM152	**104.33** 92.63 : 109.70
Titanium	TM152	**102.0** 95.58 : 111.68
Tungsten	TM152	**101.83** 81.32 : 124.72
Uranium	TM152	**103.17** 88.00 : 112.00
Vanadium	TM152	**101.67** 88.00 : 112.00
Zinc	TM152	**103.33** 92.98 : 118.95

GRO by GC-FID (S)

Component	Method Code	QC 2388	QC 2375	QC 2306	QC 2327
QC	TM089	**81.59** 72.28 : 114.54	**79.84** 70.34 : 111.95	**76.72** 72.28 : 114.54	**82.67** 70.75 : 114.19

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Hexavalent Chromium (s)

Component	Method Code	QC 2312	QC 2325	QC 2361	QC 2306	QC 2376
Hexavalent Chromium	TM151	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20	**100.0** 92.00 : 111.20

Metals in solid samples by OES

Component	Method Code	QC 2392	QC 2334	QC 2393	QC 2392
Aluminium	TM181	**85.13** 77.46 : 123.98	**82.12** 73.56 : 108.85	**95.58** 77.46 : 123.98	**99.12** 77.46 : 123.98
Antimony	TM181	**84.55** 87.04 : 111.16	**91.46** 76.89 : 111.24	**100.0** 87.04 : 111.16	**97.56** 87.04 : 111.16
Arsenic	TM181	**93.9** 87.34 : 110.87	**100.87** 88.53 : 111.01	**105.52** 87.34 : 110.87	**104.65** 87.34 : 110.87
Barium	TM181	**90.73** 80.73 : 115.16	**84.22** 77.67 : 105.35	**92.66** 80.73 : 115.16	**99.08** 80.73 : 115.16
Beryllium	TM181	**94.78** 89.47 : 112.97	**88.81** 85.44 : 109.61	**101.87** 89.47 : 112.97	**101.49** 89.47 : 112.97
Boron	TM181	**83.09** 76.57 : 104.15	**85.1** 73.51 : 104.66	**90.83** 76.57 : 104.15	**94.56** 76.57 : 104.15
Cadmium	TM181	**83.13** 78.94 : 102.43	**84.77** 77.67 : 104.12	**91.77** 78.94 : 102.43	**93.83** 78.94 : 102.43
Chromium	TM181	**87.22** 77.55 : 104.47	**81.95** 77.55 : 104.47	**87.63** 77.55 : 104.47	**89.86** 77.55 : 104.47
Cobalt	TM181	**83.65** 82.95 : 107.41	**86.79** 84.60 : 104.13	**97.17** 82.95 : 107.41	**94.65** 82.95 : 107.41
Copper	TM181	**88.73** 84.36 : 106.14	**83.45** 82.40 : 105.45	**97.36** 84.36 : 106.14	**97.01** 84.36 : 106.14
Iron	TM181	**88.1** 81.43 : 115.79	**88.89** 82.95 : 110.58	**95.24** 81.43 : 115.79	**95.24** 81.43 : 115.79
Lead	TM181	**94.59** 81.95 : 107.63	**93.02** 78.24 : 104.05	**96.4** 81.95 : 107.63	**95.72** 81.95 : 107.63
Manganese	TM181	**106.67** 94.29 : 119.51	**101.11** 94.29 : 119.51	**106.94** 94.29 : 119.51	**113.61** 94.29 : 119.51
Mercury	TM181	**90.1** 82.73 : 106.36	**90.1** 83.16 : 107.81	**103.38** 82.73 : 106.36	**100.72** 82.73 : 106.36
Molybdenum	TM181	**91.77** 86.61 : 111.07	**94.65** 87.11 : 106.87	**105.76** 86.61 : 111.07	**102.47** 86.61 : 111.07
Nickel	TM181	**84.11** 79.72 : 103.80	**86.55** 80.26 : 102.28	**96.33** 79.72 : 103.80	**92.91** 79.72 : 103.80
Phosphorus	TM181	**114.55** 92.65 : 125.47	**105.66** 94.56 : 124.28	**115.76** 92.65 : 125.47	**113.74** 92.65 : 125.47
Selenium	TM181	**95.69** 88.36 : 111.25	**90.98** 82.28 : 110.48	**105.49** 88.36 : 111.25	**104.31** 88.36 : 111.25
Strontium	TM181	**84.41** 78.06 : 99.91	**83.74** 79.13 : 102.79	**91.31** 78.06 : 99.91	**95.55** 78.06 : 99.91
Thallium	TM181	**93.81** 88.60 : 116.73	**87.61** 82.94 : 111.86	**107.08** 88.60 : 116.73	**104.42** 88.60 : 116.73
Tin	TM181	**91.25** 89.77 : 112.62	**90.87** 86.72 : 110.03	**103.04** 89.77 : 112.62	**103.04** 89.77 : 112.62
Titanium	TM181	**75.57** 66.29 : 105.96	**80.92** 66.23 : 102.06	**74.05** 66.29 : 105.96	**88.55** 66.29 : 105.96

Metals in solid samples by OES

		QC 2392	QC 2334	QC 2393	QC 2392
Vanadium	TM181	**85.71** 75.51 : 108.87	**90.11** 75.51 : 108.87	**91.58** 75.51 : 108.87	**95.97** 75.51 : 108.87
Zinc	TM181	**93.02** 84.02 : 111.24	**90.55** 84.68 : 113.99	**103.9** 84.02 : 111.24	**101.44** 84.02 : 111.24

pH

Component	Method Code	QC 2324	QC 2362	QC 2370	QC 2375	QC 2399
pH	TM133	**99.74** 98.71 : 102.32	**100.53** 98.71 : 102.32	**99.21** 97.97 : 101.10	**100.13** 97.97 : 101.10	**100.4** 97.97 : 101.10

Phenols by HPLC (S)

Component	Method Code	QC 2374	QC 2376	QC 2388	QC 2394
2.3.5 Trimethyl-Phenol by HPLC (S)	TM062 (S)	**52.6** 68.54 : 123.77	**52.6** 68.54 : 123.77	**49.35** 70.71 : 116.42	**51.3** 68.54 : 123.77
2-Isopropyl Phenol by HPLC (S)	TM062 (S)	**45.61** 68.54 : 123.77	**47.37** 68.54 : 123.77	**43.86** 64.54 : 117.79	**45.03** 68.54 : 123.77
Catechol by HPLC (S)	TM062 (S)	**16.19** 19.39 : 135.70	**12.38** 19.39 : 135.70	**15.24** 22.43 : 157.02	**14.29** 19.39 : 135.70
Cresols by HPLC (S)	TM062 (S)	**44.68** 77.98 : 111.41	**45.72** 77.98 : 111.41	**46.97** 74.40 : 108.98	**43.22** 77.98 : 111.41
Napthol by HPLC (S)	TM062 (S)	**31.43** 57.50 : 102.50	**35.71** 57.50 : 102.50	**30.71** 47.22 : 132.72	**33.57** 57.50 : 102.50
Phenol by HPLC (S)	TM062 (S)	**49.01** 68.24 : 117.99	**50.33** 68.24 : 117.99	**50.99** 69.44 : 122.18	**49.01** 68.24 : 117.99
Resorcinol HPLC (S)	TM062 (S)	**47.17** 69.99 : 127.22	**49.06** 69.99 : 127.22	**54.09** 71.43 : 129.59	**45.28** 69.99 : 127.22
Xylenols by HPLC (S)	TM062 (S)	**48.33** 88.23 : 104.42	**49.17** 88.23 : 104.42	**46.67** 76.56 : 106.38	**46.67** 88.23 : 104.42

Semi Volatile Organic Compounds

Component	Method Code	QC 2385	QC 2331	QC 2301	QC 2392
4-Bromophenylphenylether (Soil)	TM157	**88.5** 66.75 : 125.25	**100.5** 66.75 : 125.25	**93.5** 63.50 : 114.50	**100.5** 66.75 : 125.25
Benzo(a)anthracene (Soil)	TM157	**105.0** 67.40 : 120.50	**119.5** 67.40 : 120.50	**96.0** 71.89 : 120.91	**102.5** 67.40 : 120.50
Hexachlorobutadiene (Soil)	TM157	**109.5** 68.25 : 126.75	**111.5** 68.25 : 126.75	**93.0** 69.80 : 117.77	**103.5** 68.25 : 126.75
Naphthalene (Soil)	TM157	**103.5** 67.55 : 125.45	**107.5** 67.55 : 125.45	**93.5** 70.00 : 115.00	**101.5** 67.55 : 125.45
Nitrobenzene (Soil)	TM157	**90.5** 66.50 : 123.50	**101.0** 66.50 : 123.50	**91.0** 70.00 : 118.00	**97.0** 66.50 : 123.50
Phenol (Soil)	TM157	**97.0** 69.92 : 114.02	**105.0** 69.92 : 114.02	**85.0** 72.00 : 117.00	**94.5** 69.92 : 114.02

Total Organic Carbon

CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Total Organic Carbon

Component	Method Code	QC 2314	QC 2373	QC 2325	QC 2347
Total Organic Carbon	TM132	**100.78** 87.02 : 113.45	**99.61** 87.02 : 113.45	**98.05** 87.02 : 113.45	**98.05** 87.02 : 113.45

Total Sulphate

Component	Method Code	QC 2342	QC 2369	QC 2322	QC 2393	QC 2341
Total Sulphate	TM221	**108.33** 70.62 : 121.50	**96.21** 70.62 : 121.50	**96.97** 70.62 : 121.50	**96.97** 70.62 : 121.50	**96.21** 70.62 : 121.50

VOC MS (S)

Component	Method Code	QC 2391	QC 2385
1,1,1,2-tetrachloroethane	TM116	**92.0** 84.84 : 116.25	**90.4** 84.84 : 116.25
1,1,1-Trichloroethane	TM116	**91.8** 73.73 : 118.05	**95.2** 73.73 : 118.05
1,1,2-Trichloroethane	TM116	**98.4** 77.12 : 116.04	**91.6** 77.12 : 116.04
1,1-Dichloroethane	TM116	**99.4** 74.46 : 129.15	**108.8** 74.46 : 129.15
1,2-Dichloroethane	TM116	**109.2** 92.38 : 131.65	**104.4** 92.38 : 131.65
1,4-Dichlorobenzene	TM116	**104.4** 83.64 : 126.18	**98.2** 83.64 : 126.18
2-Chlorotoluene	TM116	**95.4** 76.03 : 113.25	**86.2** 76.03 : 113.25
4-Chlorotoluene	TM116	**93.0** 66.90 : 112.46	**90.0** 66.90 : 112.46
Benzene	TM116	**98.8** 88.60 : 113.80	**101.6** 88.60 : 113.80
Carbon Disulphide	TM116	**95.0** 74.91 : 122.14	**106.0** 74.91 : 122.14
Carbontetrachloride	TM116	**97.0** 80.31 : 124.50	**97.6** 80.31 : 124.50
Chlorobenzene	TM116	**96.6** 83.81 : 114.18	**96.8** 83.81 : 114.18
Chloroform	TM116	**99.0** 87.40 : 122.49	**108.0** 87.40 : 122.49
Chloromethane	TM116	**100.0** 65.89 : 136.93	**110.0** 65.89 : 136.93
Cis-1,2-Dichloroethene	TM116	**98.6** 80.67 : 126.72	**105.8** 80.67 : 126.72
Dibromomethane	TM116	**100.4** 73.23 : 118.35	**94.6** 73.23 : 118.35
Dichloromethane	TM116	**112.4** 81.11 : 133.25	**115.6** 81.11 : 133.25

VOC MS (S)

		QC 2391	QC 2385
Ethylbenzene	TM116	**84.2** 75.92 : 110.41	**82.8** 75.92 : 110.41
Hexachlorobutadiene	TM116	**45.6** 12.82 : 152.73	**61.0** 12.82 : 152.73
Isopropylbenzene	TM116	**71.8** 55.79 : 97.59	**69.0** 55.79 : 97.59
Naphthalene	TM116	**101.8** 80.86 : 128.81	**103.8** 80.86 : 128.81
o-Xylene	TM116	**81.2** 69.99 : 108.74	**78.0** 69.99 : 108.74
p/m-Xylene	TM116	**80.0** 68.32 : 108.91	**77.6** 68.32 : 108.91
Sec-Butylbenzene	TM116	**58.8** 38.50 : 101.50	**63.2** 38.50 : 101.50
Tetrachloroethene	TM116	**91.4** 76.95 : 121.02	**91.0** 76.95 : 121.02
Toluene	TM116	**91.0** 74.24 : 107.42	**89.6** 74.24 : 107.42
Trichloroethene	TM116	**92.4** 85.28 : 109.36	**93.0** 85.28 : 109.36
Trichlorofluoromethane	TM116	**99.0** 84.55 : 133.27	**107.0** 84.55 : 133.27
Vinyl Chloride	TM116	**97.6** 68.02 : 143.37	**110.6** 68.02 : 143.37

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

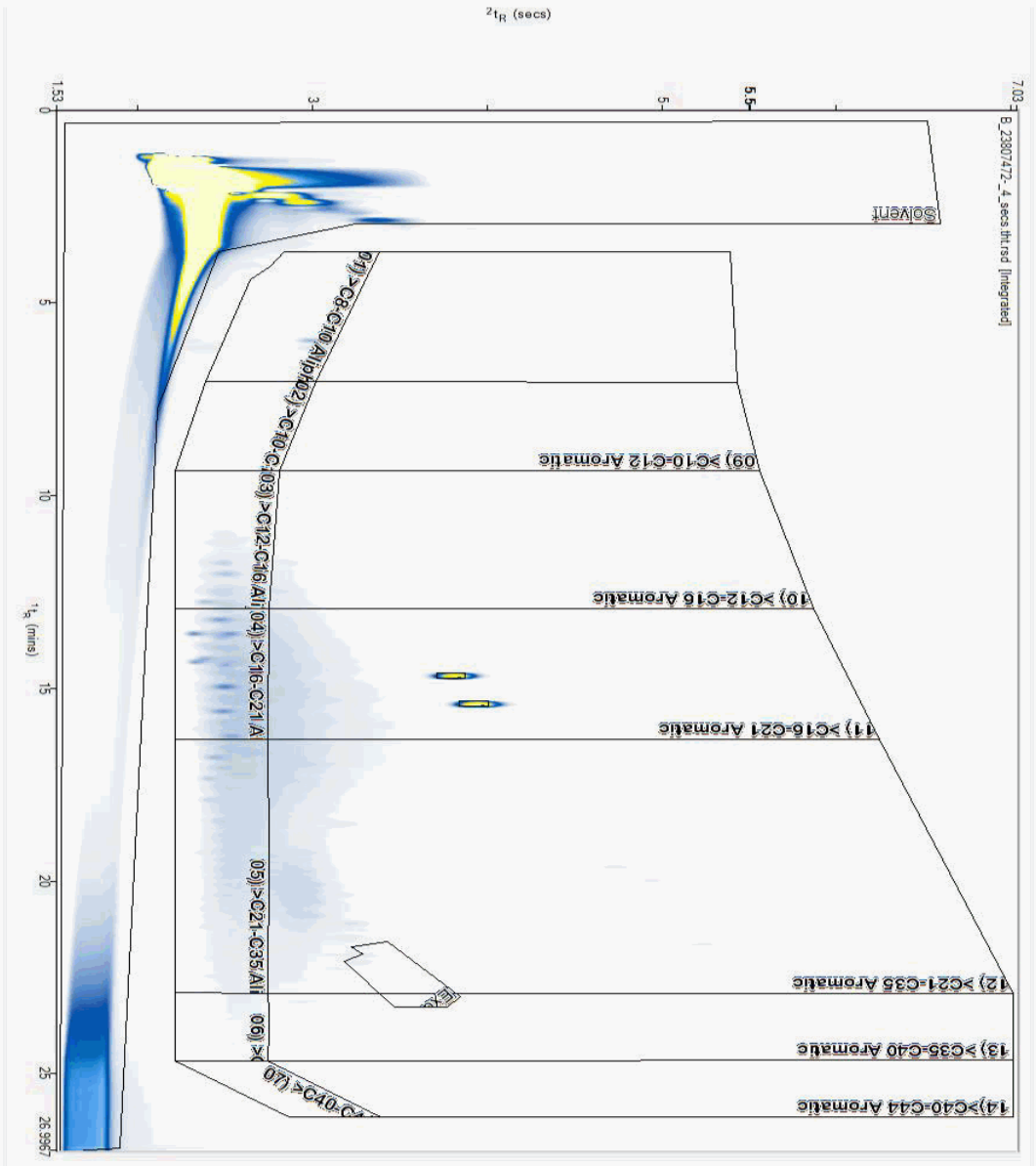
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807472 **Depth :** 0.50 - 0.50
Sample ID : TP4

ChromSpace LIMS export
Current batch
Sample Identity: B_23807472-_4_secs.tht
Date Acquired : 01/03/21 11:30:06
Units : ppm
Dilution : 0
CF :
Multiplier :



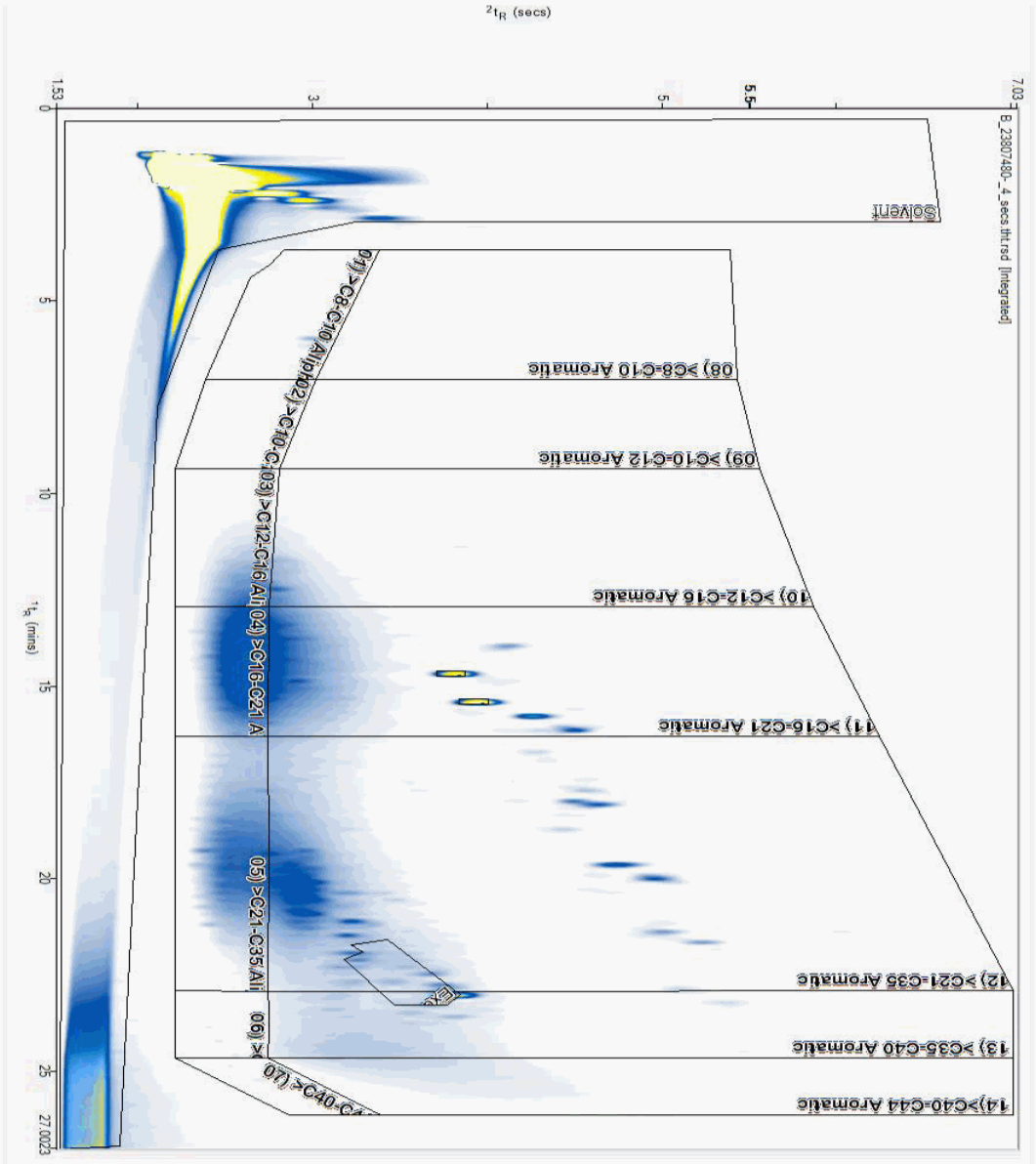
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807480 **Depth :** 1.80 - 1.80
Sample ID : TP3

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  B_23807480-_4_secs.tht
Date Acquired   :  02/03/21 06:33:36
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



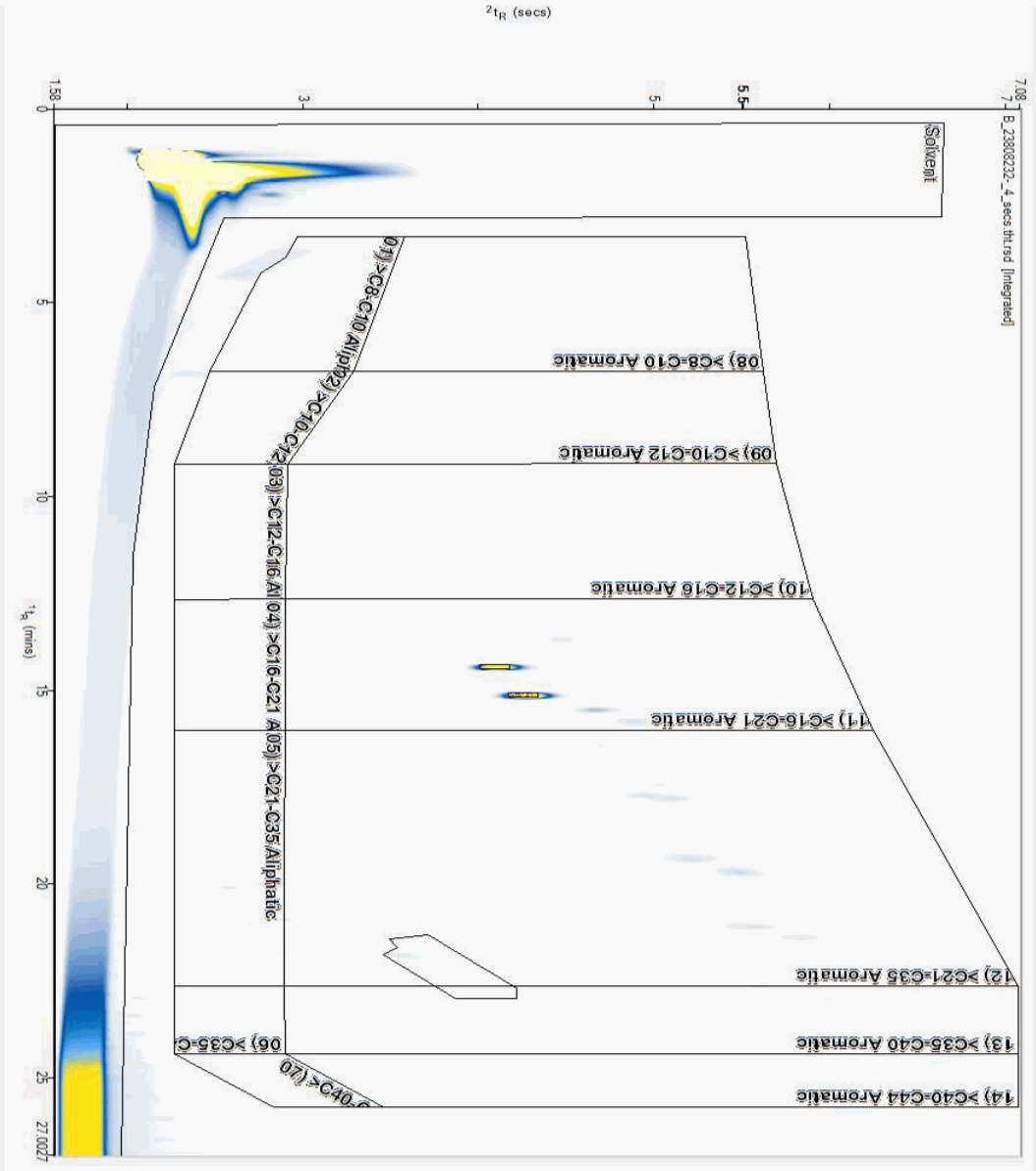
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808232 **Depth :** 0.80 - 1.00
Sample ID : TP2

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  B_23808232-_4_secs.tht
Date Acquired   :  02/03/21 10:03:59
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



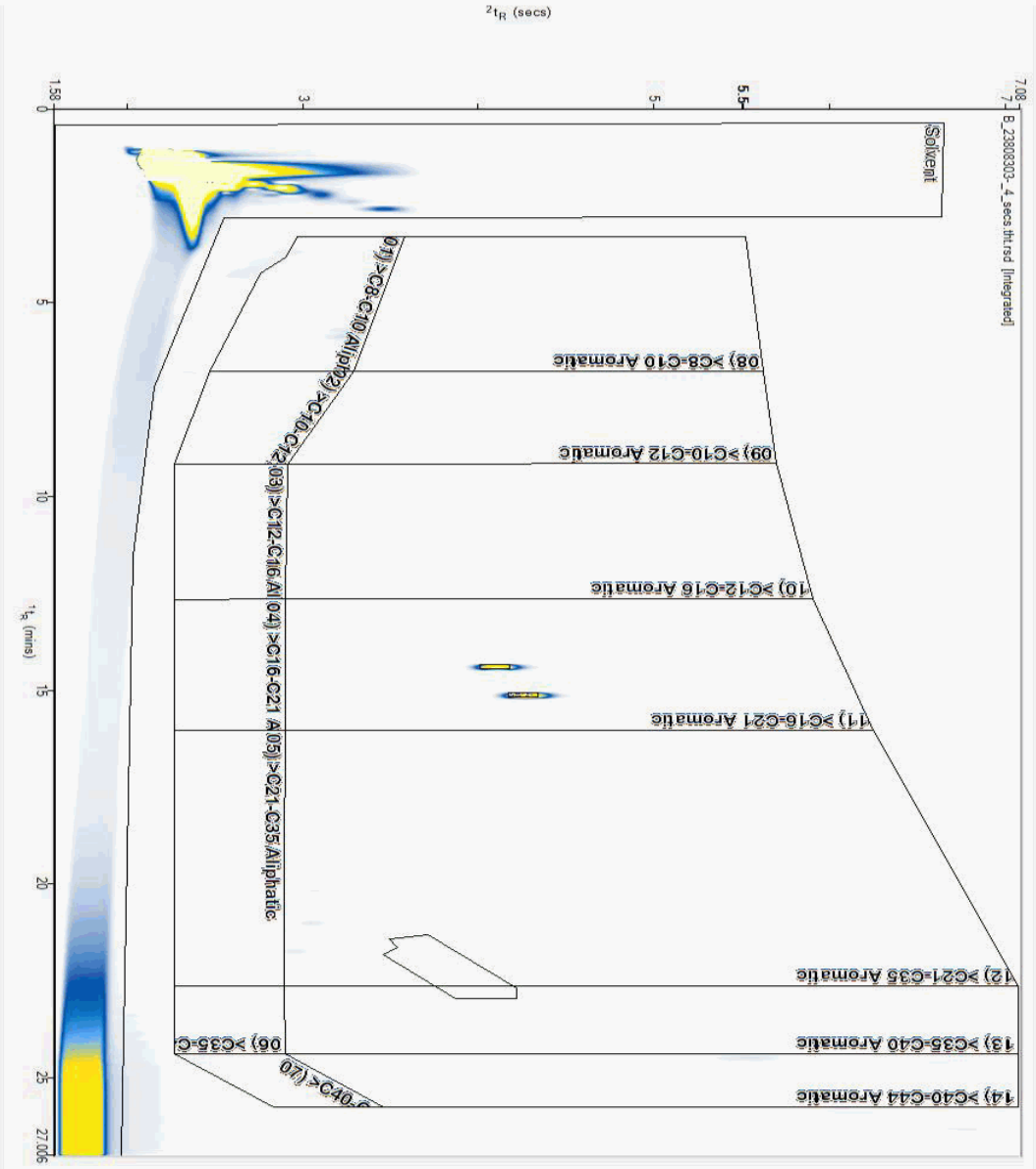
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808303 **Depth :** 5.00 - 5.00
Sample ID : BH3

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  B_23808303-_4_secs.tht
Date Acquired   :  02/03/21 02:46:38
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



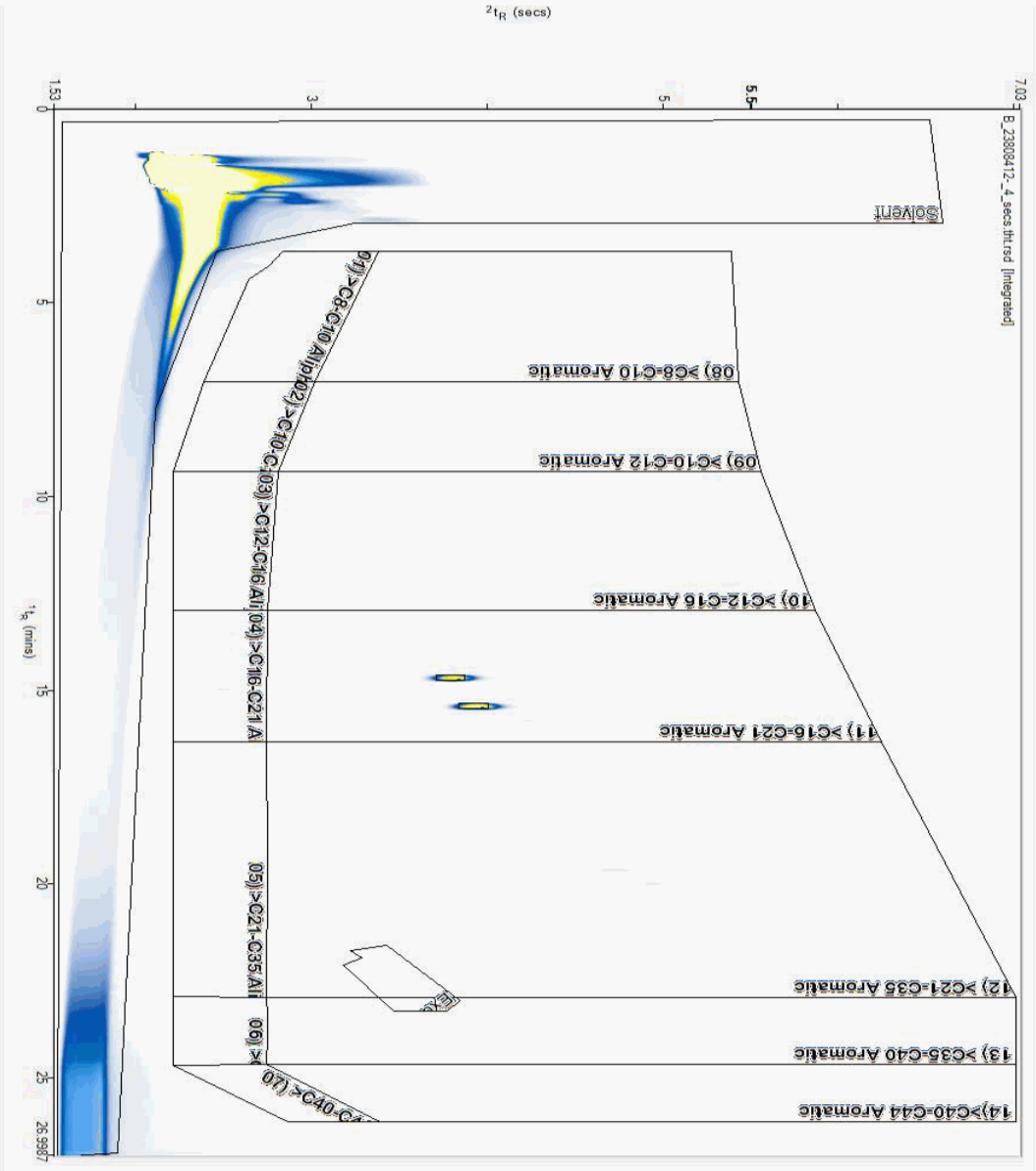
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808412 **Depth :** 0.60 - 0.60
Sample ID : BH4

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  B_23808412-_4_secs.tht
Date Acquired   :  01/03/21 10:27:25
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



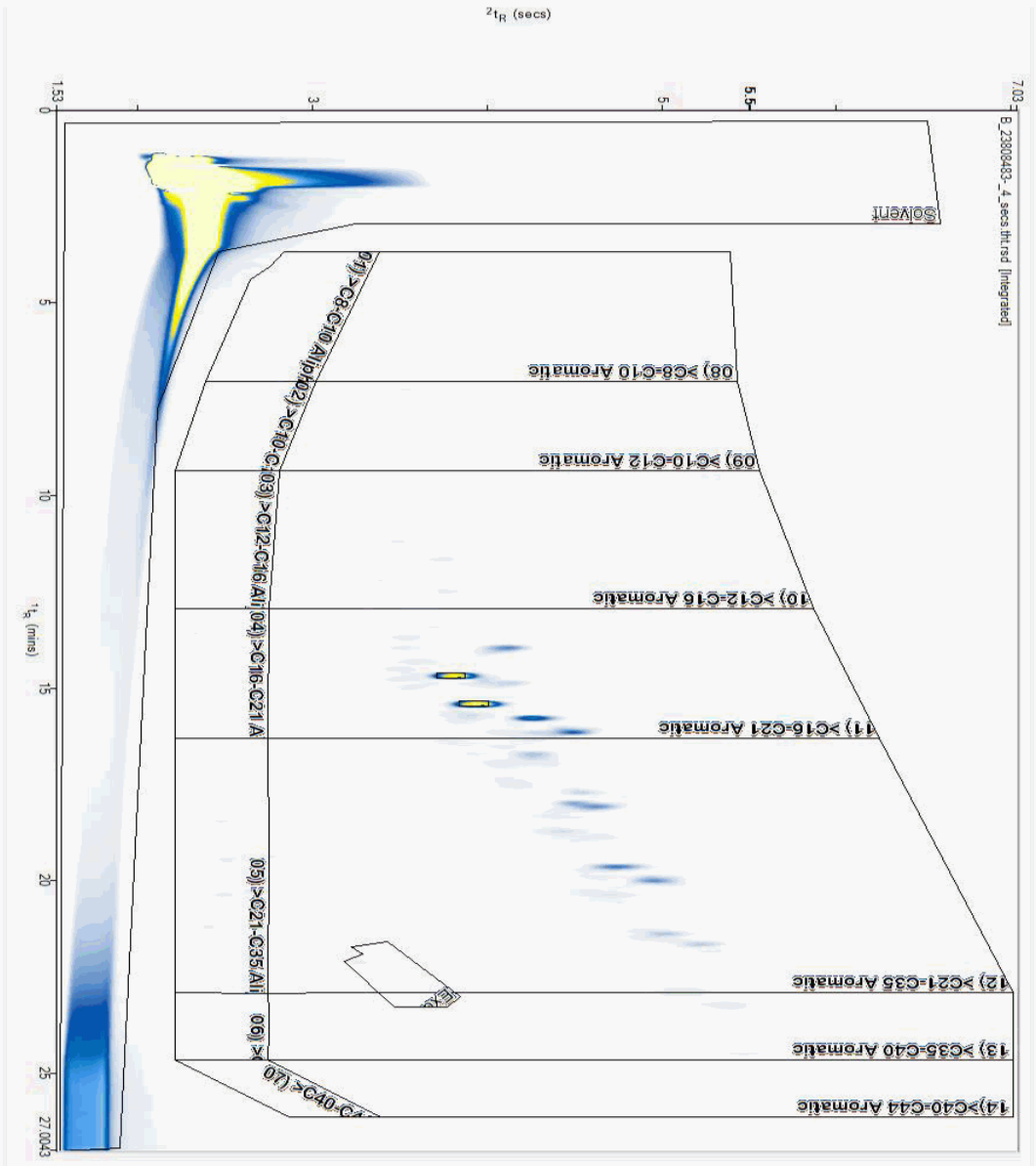
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808483 **Depth :** 3.00 - 3.00
Sample ID : BH3

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  B_23808483-_4_secs.tht
Date Acquired   :  02/03/21 01:35:22
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```

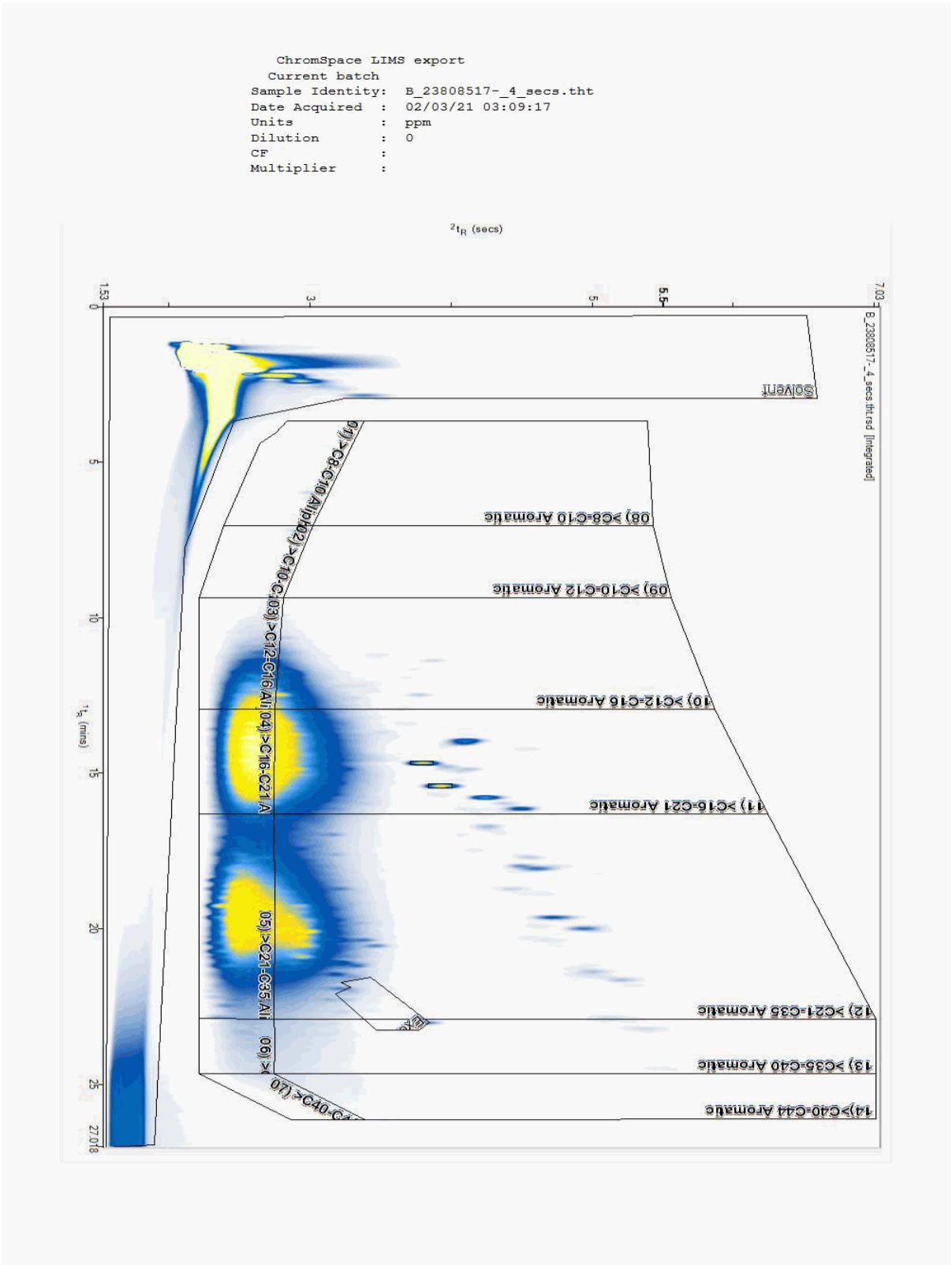


CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808517 **Depth :** 0.30 - 0.30
Sample ID : TP3



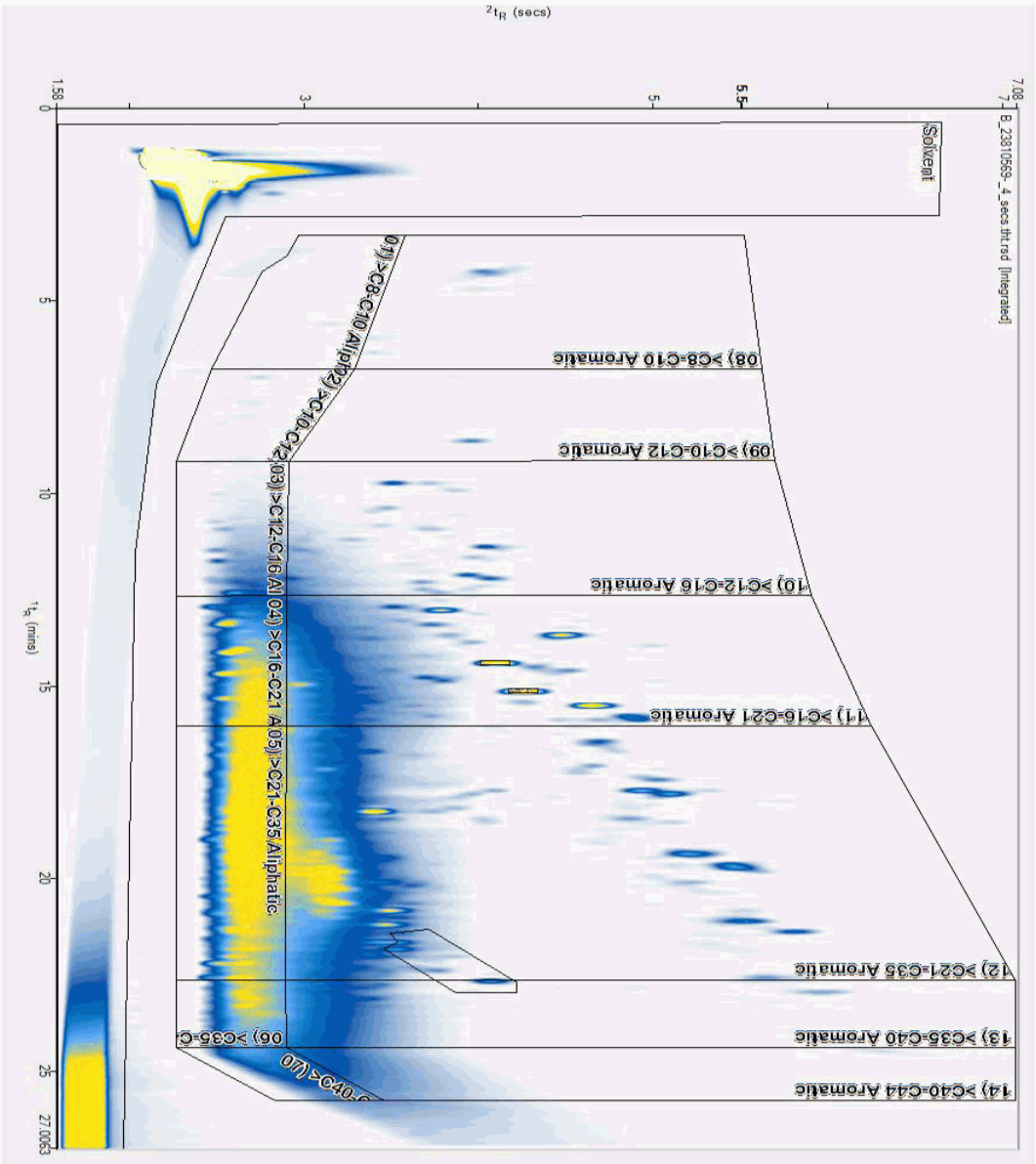
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23810569 **Depth :** 0.70 - 0.70
Sample ID : TP1

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  B_23810569-_4_secs.tht
Date Acquired   :  03/03/21 12:42:37
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



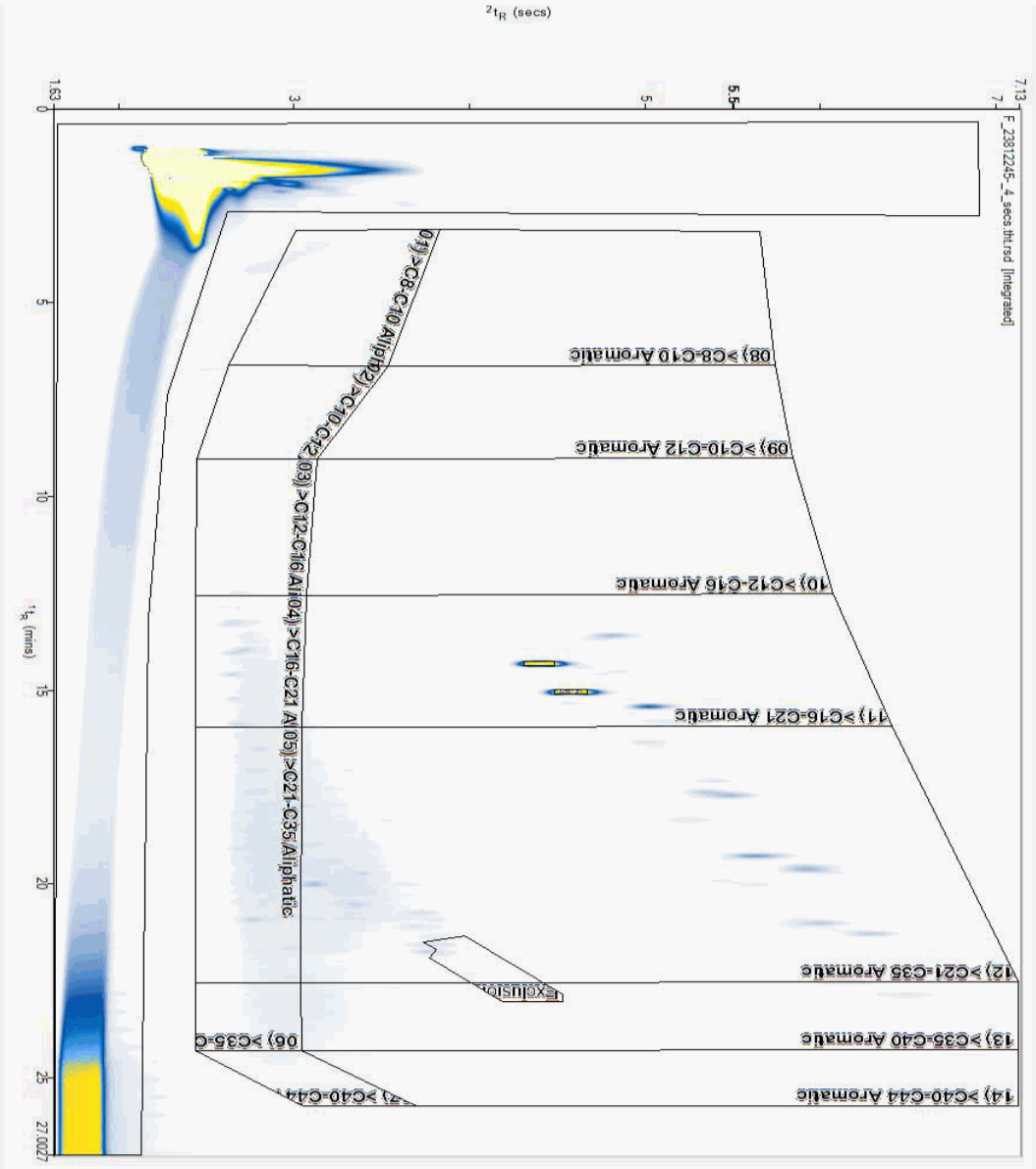
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23812245 **Depth :** 0.60 - 0.60
Sample ID : BH5

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  F_23812245-_4_secs.tht
Date Acquired   :  02/03/21 10:03:59
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



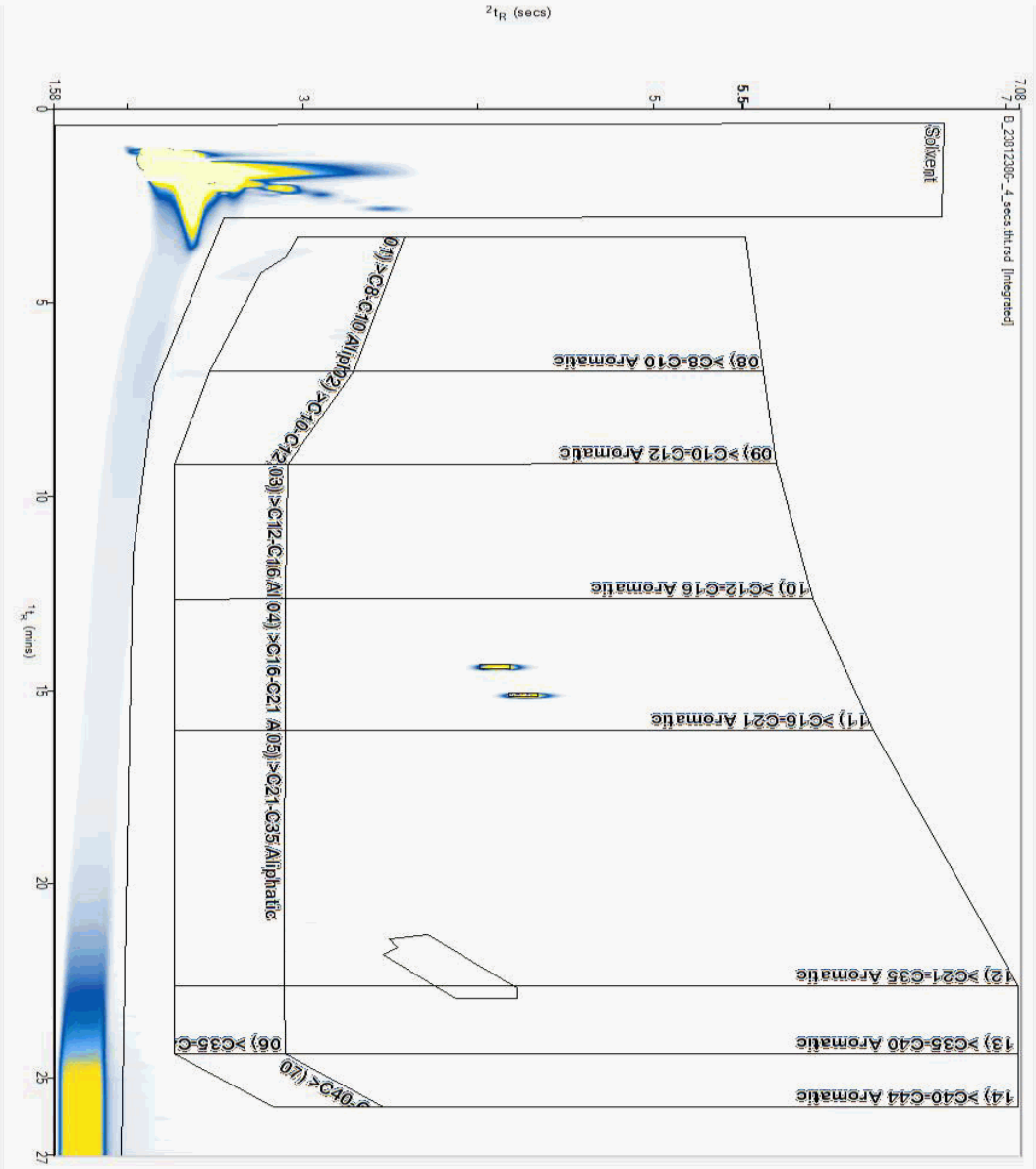
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23812386 **Depth :** 3.00 - 3.00
Sample ID : BH5

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  B_23812386-_4_secs.tht
Date Acquired   :  02/03/21 08:23:09
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



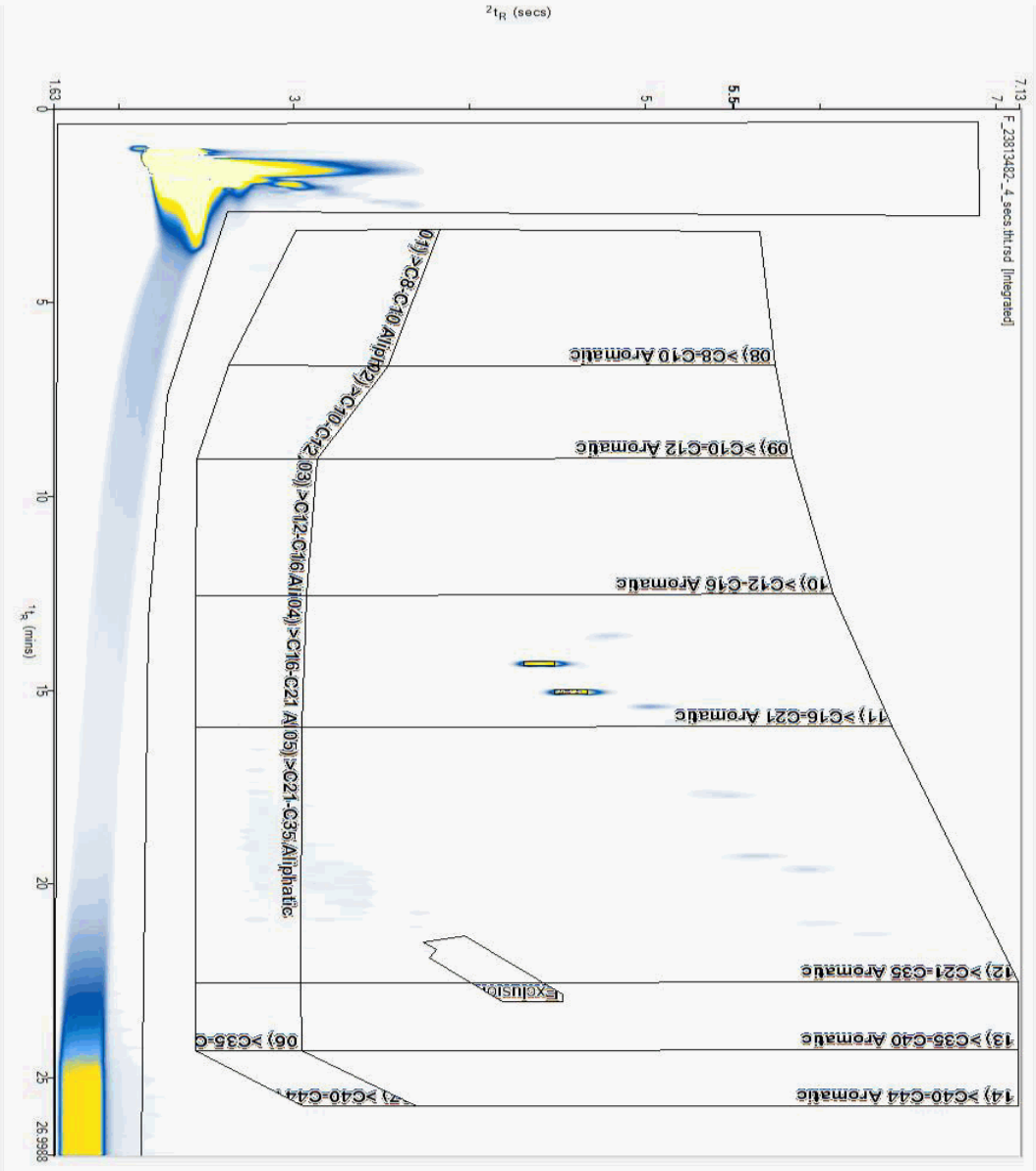
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813482 **Depth :** 0.90 - 0.90
Sample ID : BH5

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  F_23813482-_4_secs.tht
Date Acquired   :  02/03/21 07:52:34
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



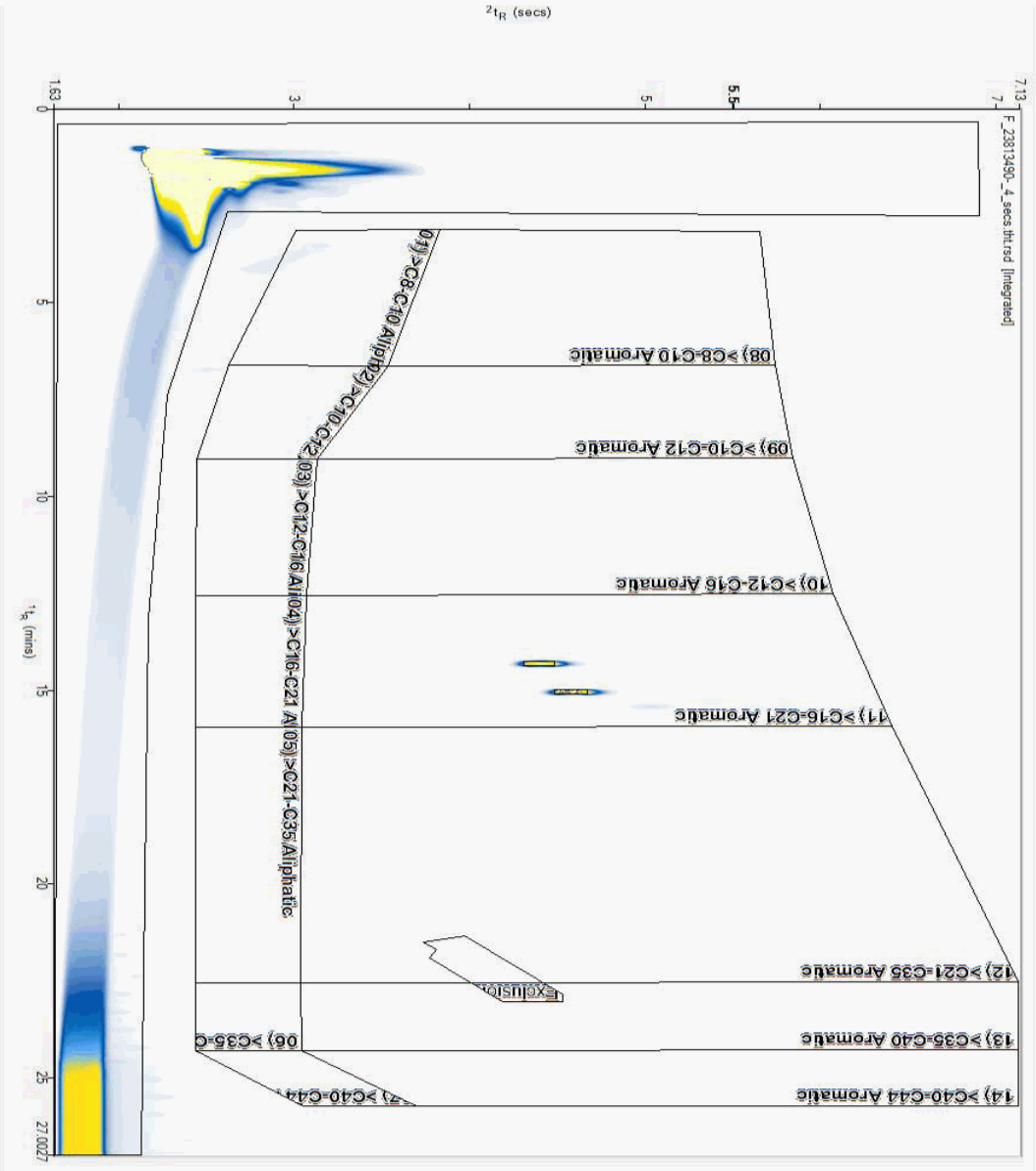
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813490 **Depth :** 2.00 - 2.00
Sample ID : BH3

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  F_23813490-_4_secs.tht
Date Acquired   :  02/03/21 04:48:57
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813510 **Depth :** 1.00 - 1.00
Sample ID : BH4

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  F_23813510-_4_secs.tht
Date Acquired   :  02/03/21 11:00:30
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
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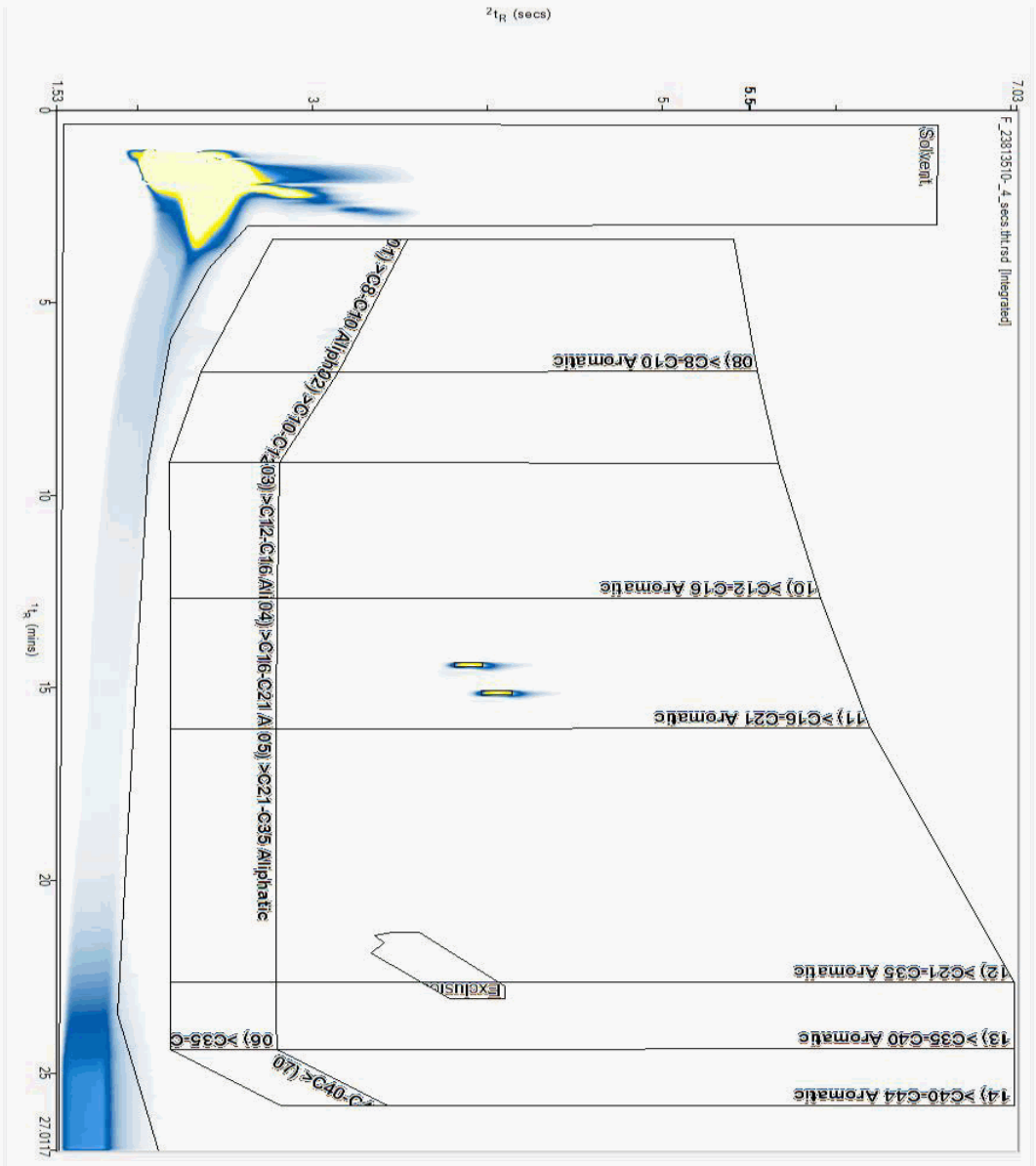


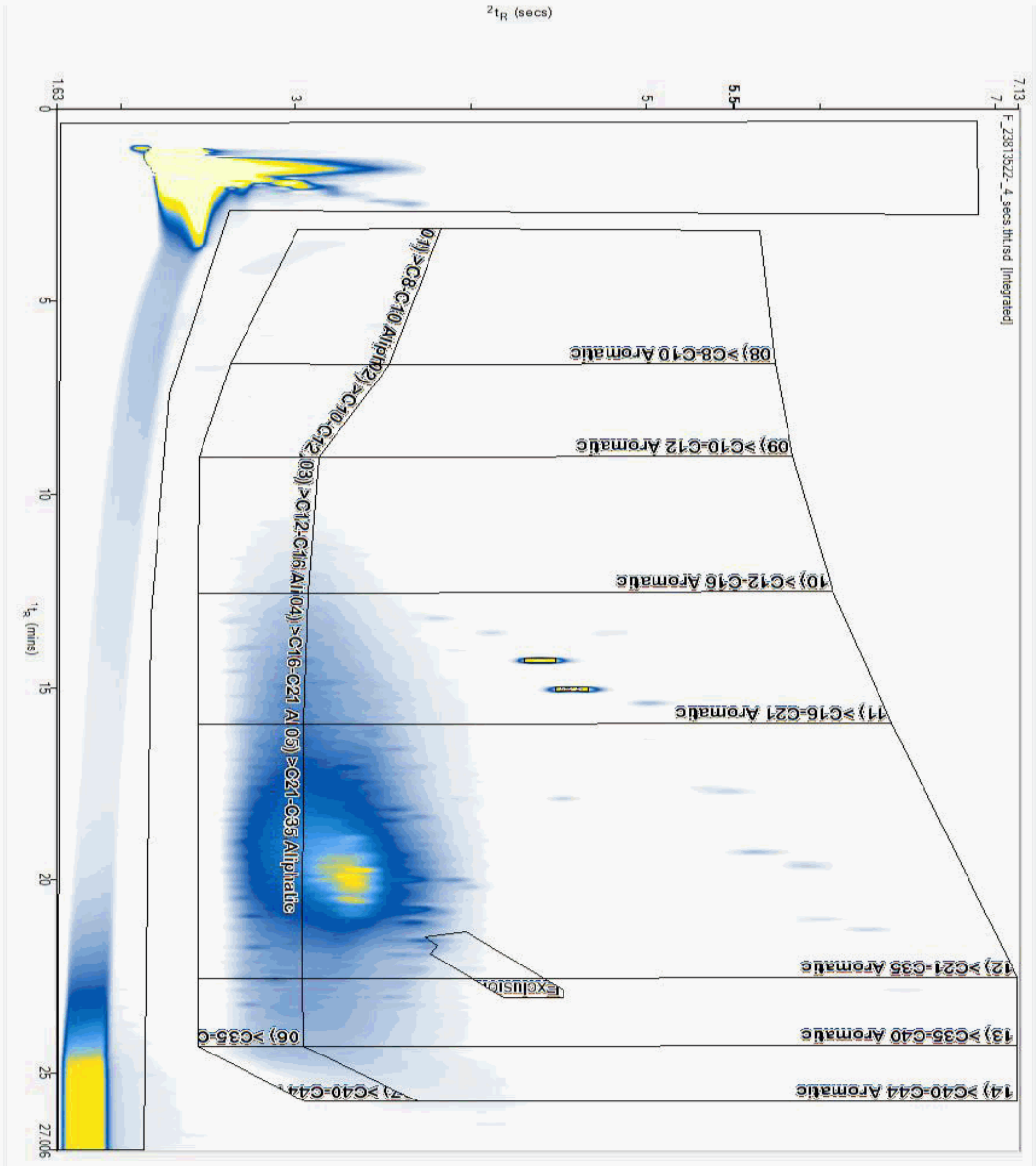
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813522 **Depth :** 0.60 - 0.60
Sample ID : TP2

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  F_23813522-_4_secs.tht
Date Acquired   :  03/03/21 12:42:37
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



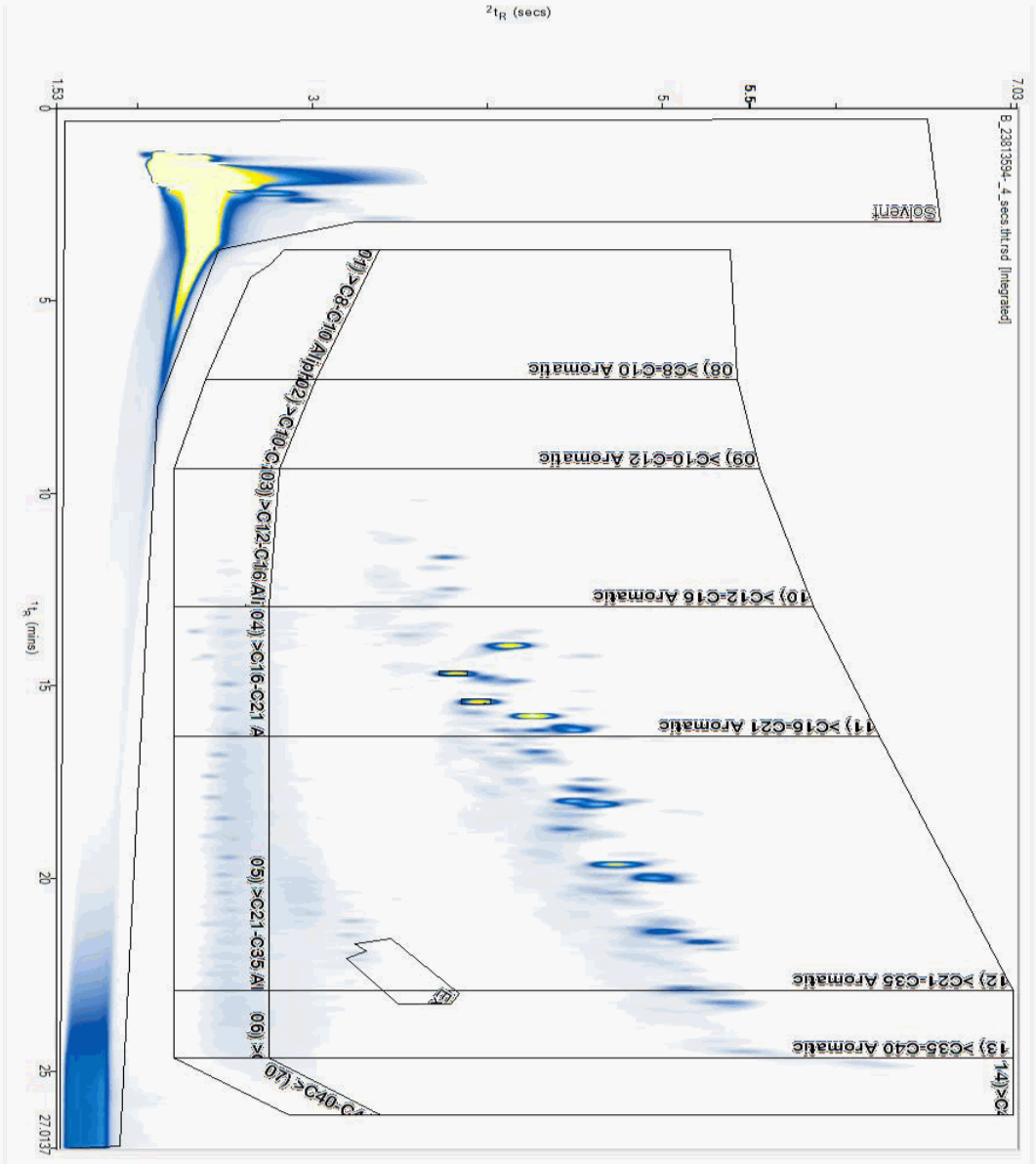
CERTIFICATE OF ANALYSIS

SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813594 **Depth :** 1.15 - 1.15
Sample ID : TP1

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  B_23813594-_4_secs.tht
Date Acquired   :  03/03/21 02:07:34
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



CERTIFICATE OF ANALYSIS

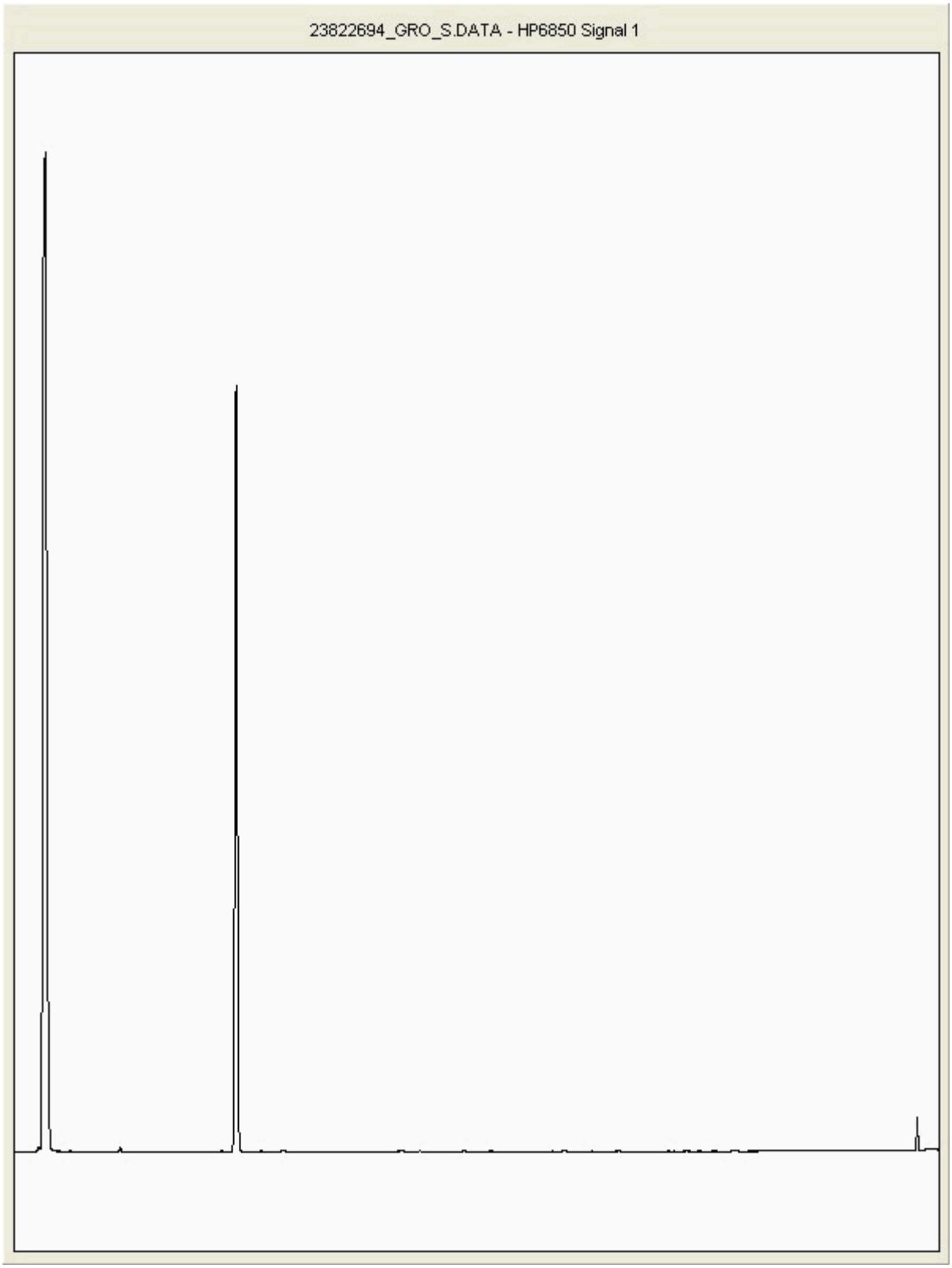
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822694
Sample ID : BH5

Depth : 3.00 - 3.00



CERTIFICATE OF ANALYSIS

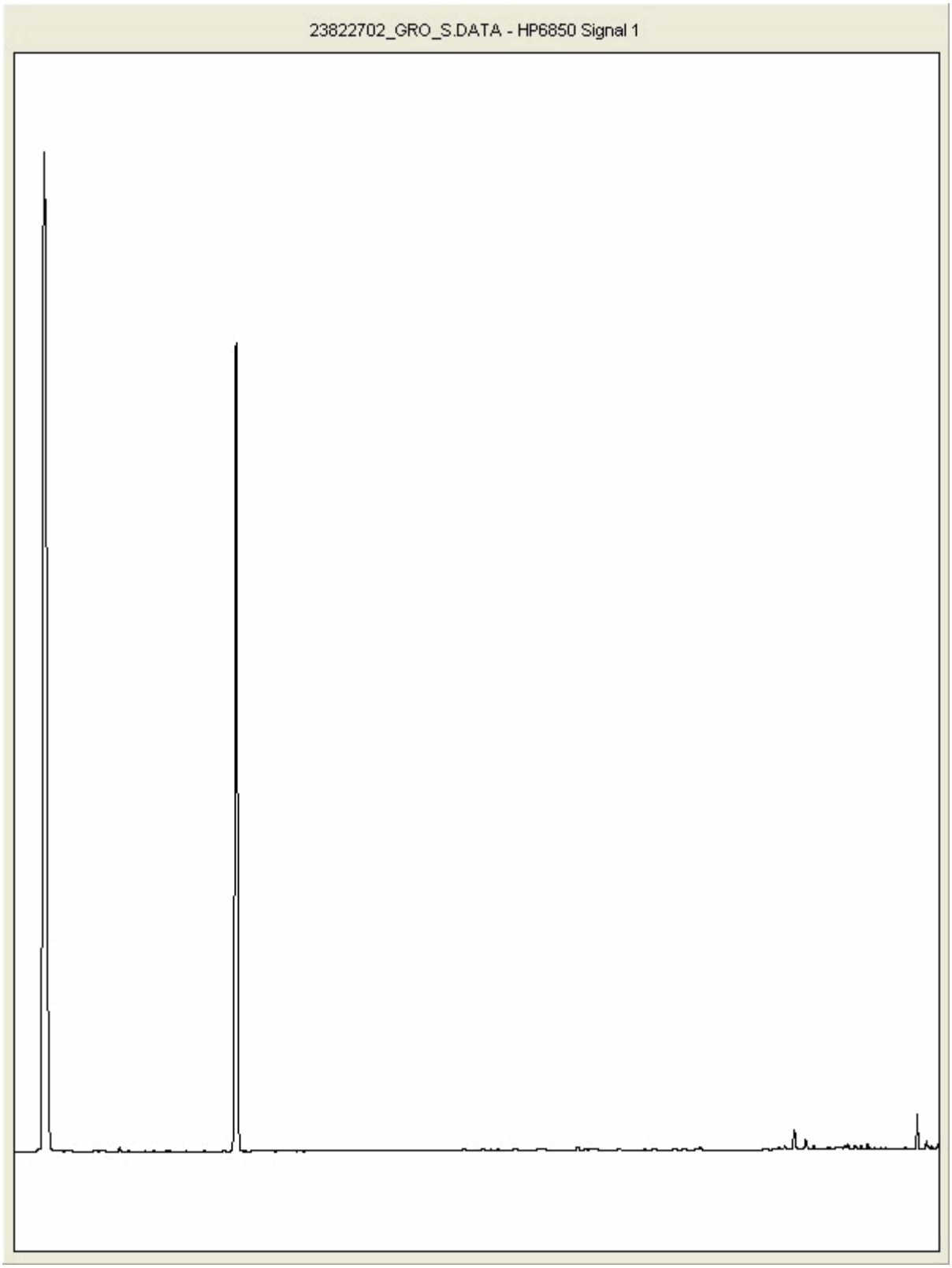
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822702
Sample ID : BH3

Depth : 2.00 - 2.00



CERTIFICATE OF ANALYSIS

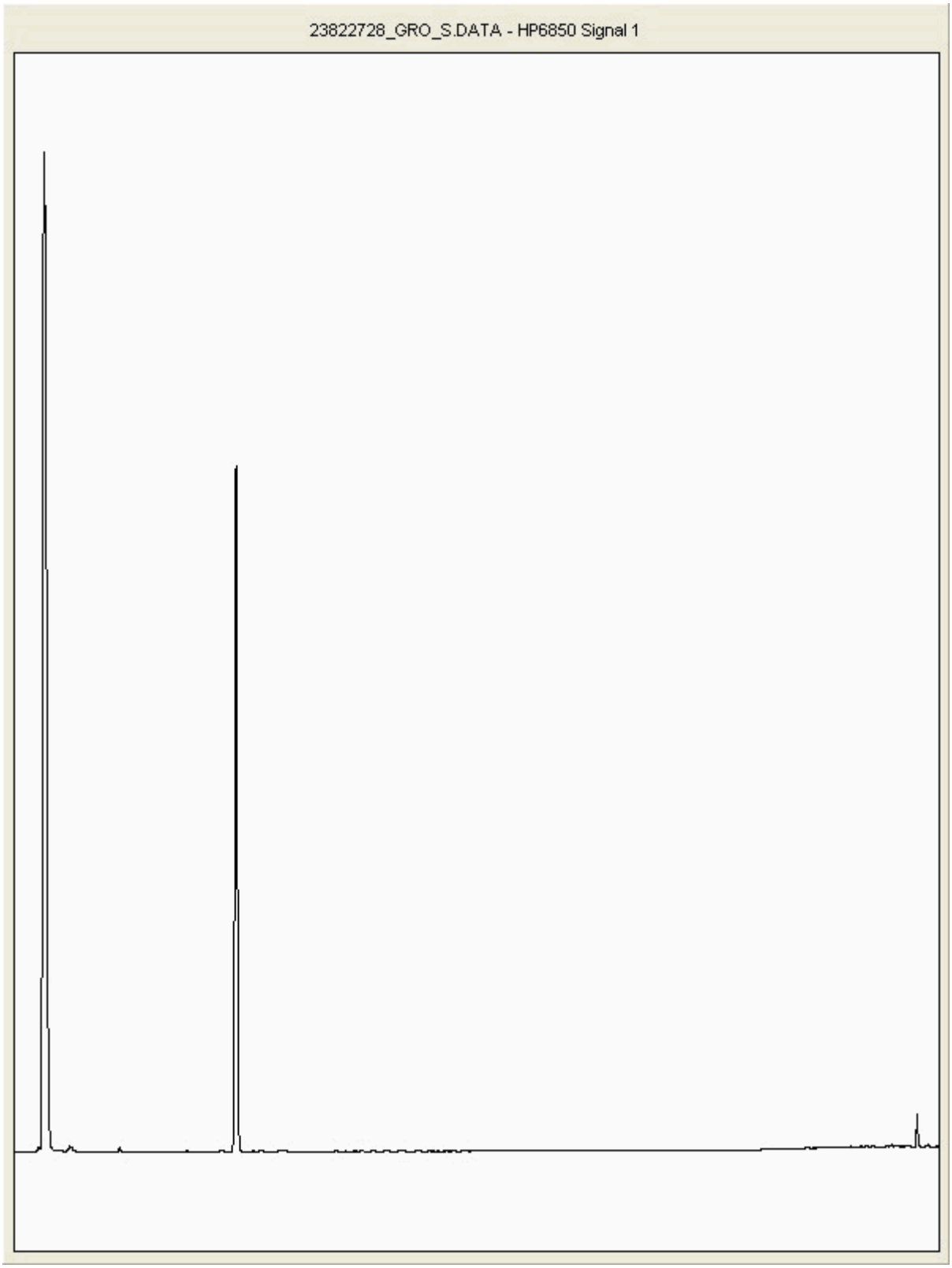
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822728
Sample ID : TP2

Depth : 0.60 - 0.60



CERTIFICATE OF ANALYSIS

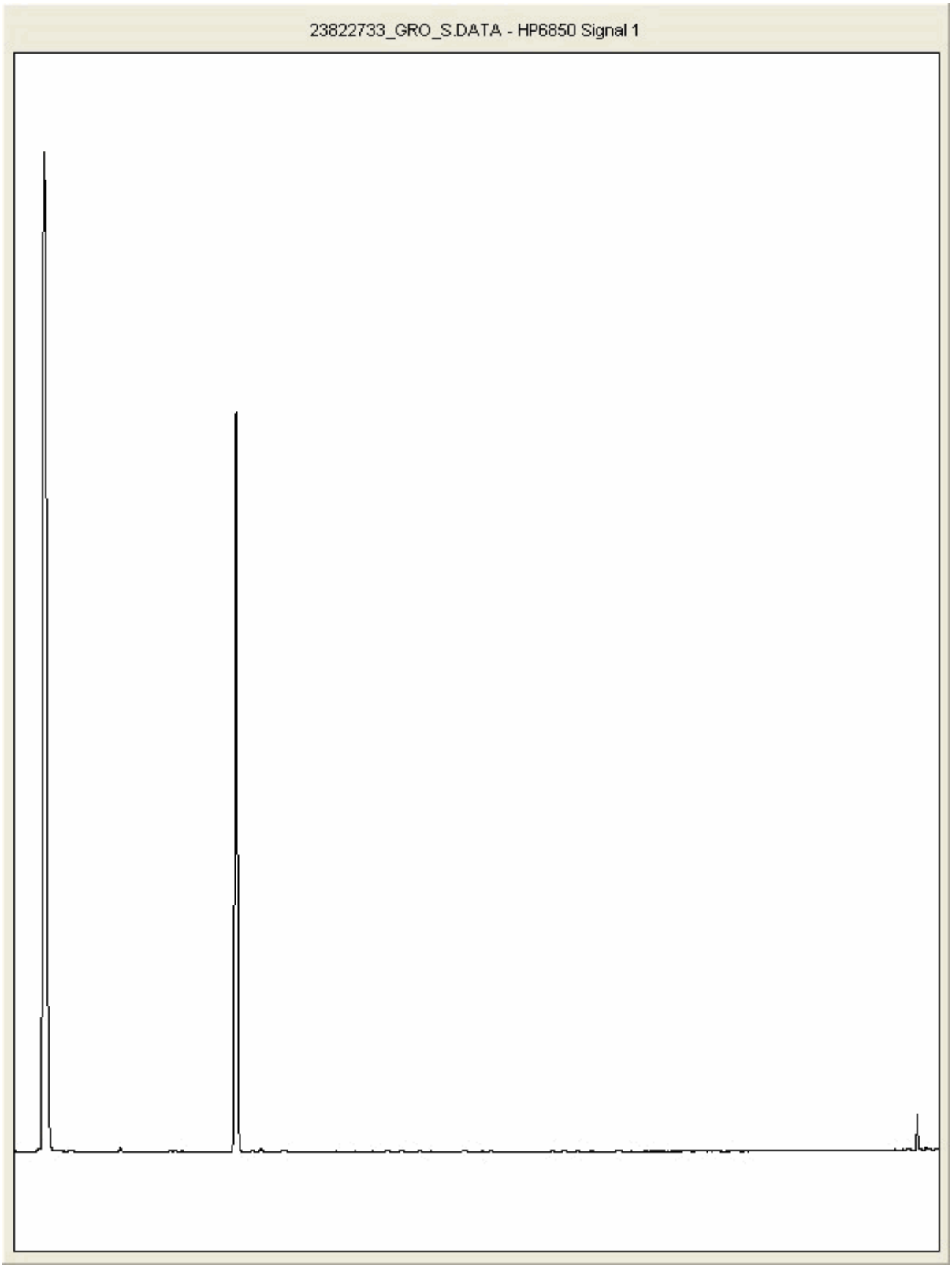
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822733
Sample ID : TP2

Depth : 0.80 - 1.00



CERTIFICATE OF ANALYSIS

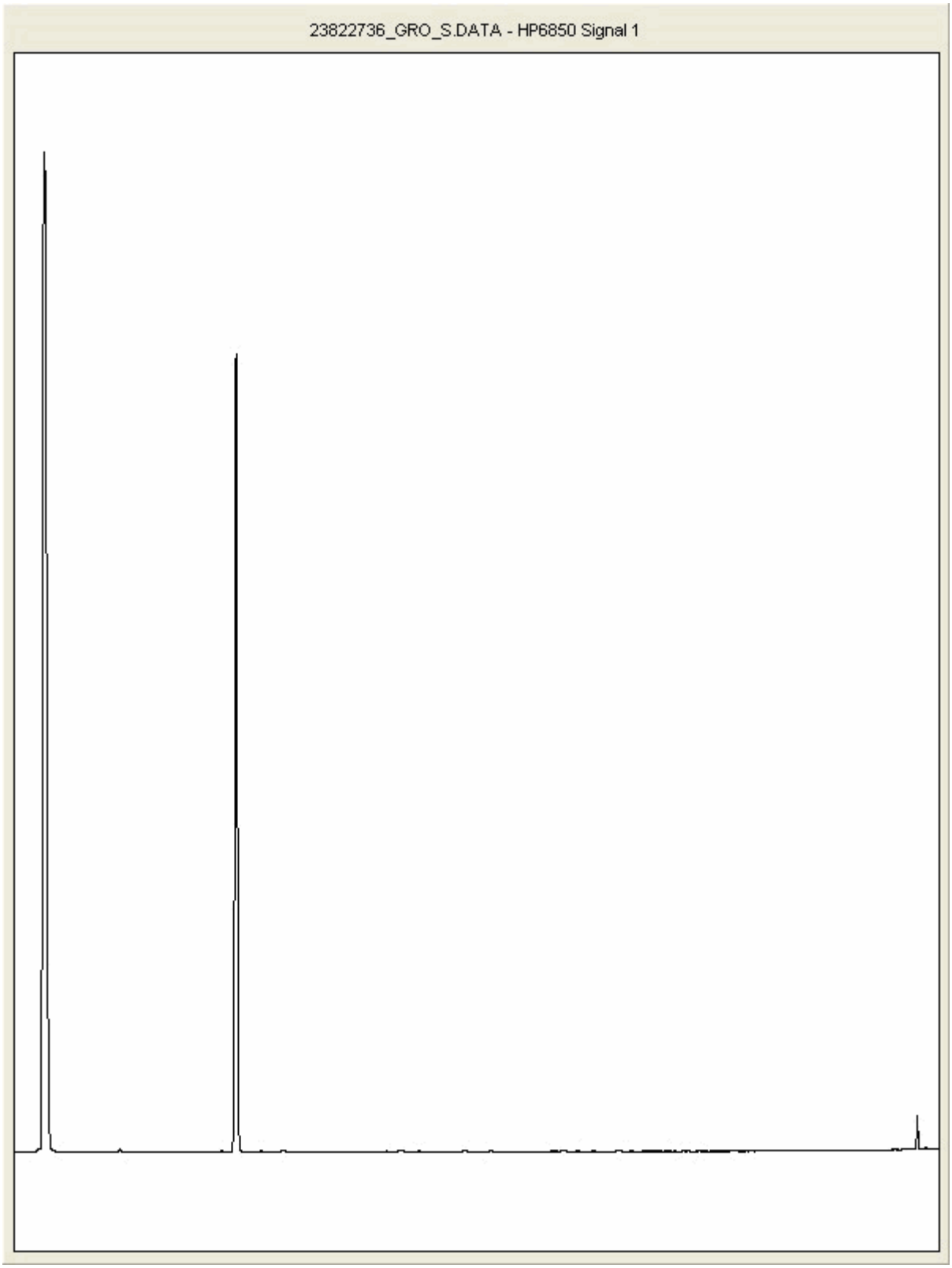
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822736
Sample ID : TP4

Depth : 0.50 - 0.50



CERTIFICATE OF ANALYSIS

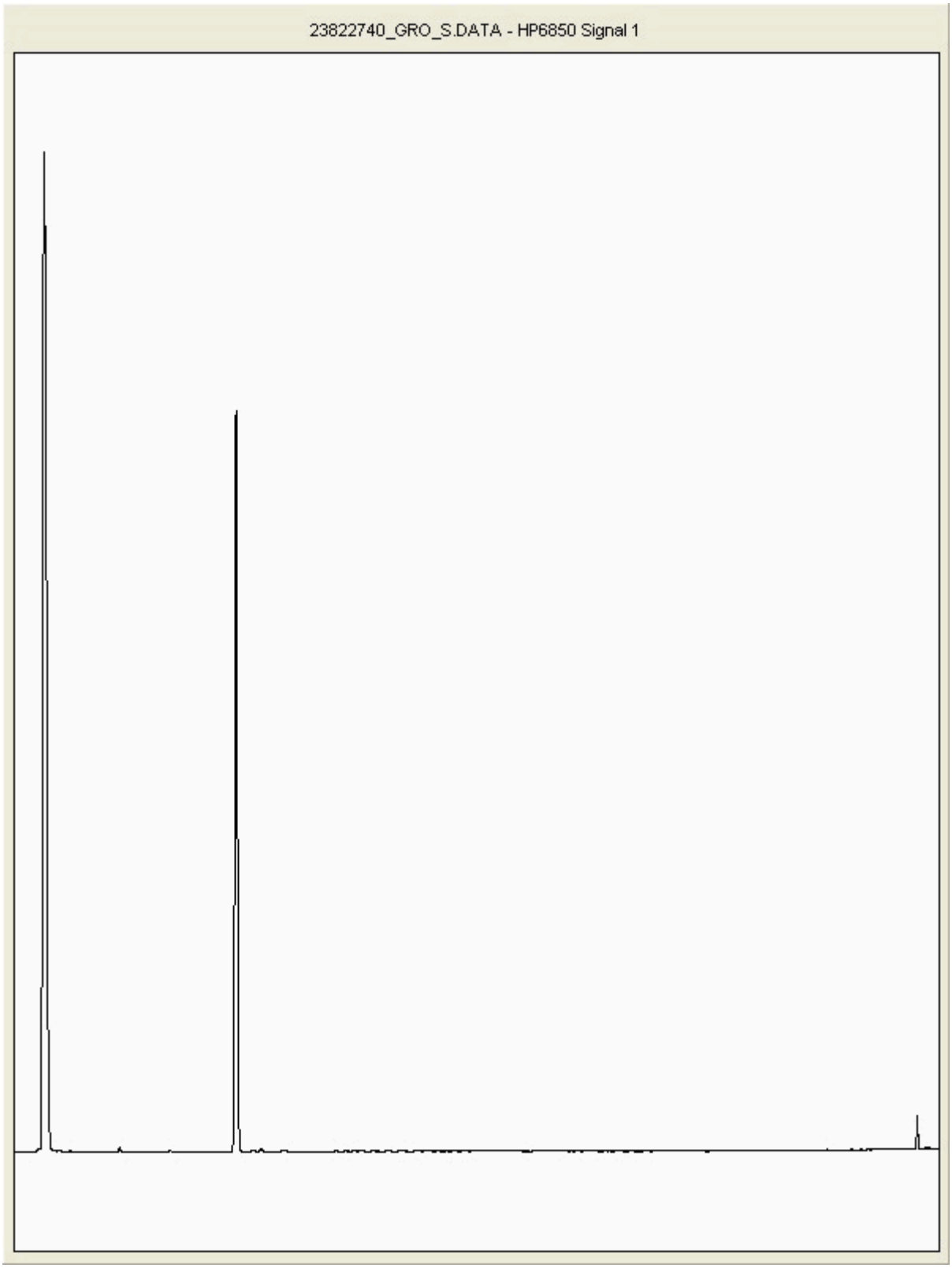
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822740
Sample ID : TP1

Depth : 1.15 - 1.15



CERTIFICATE OF ANALYSIS

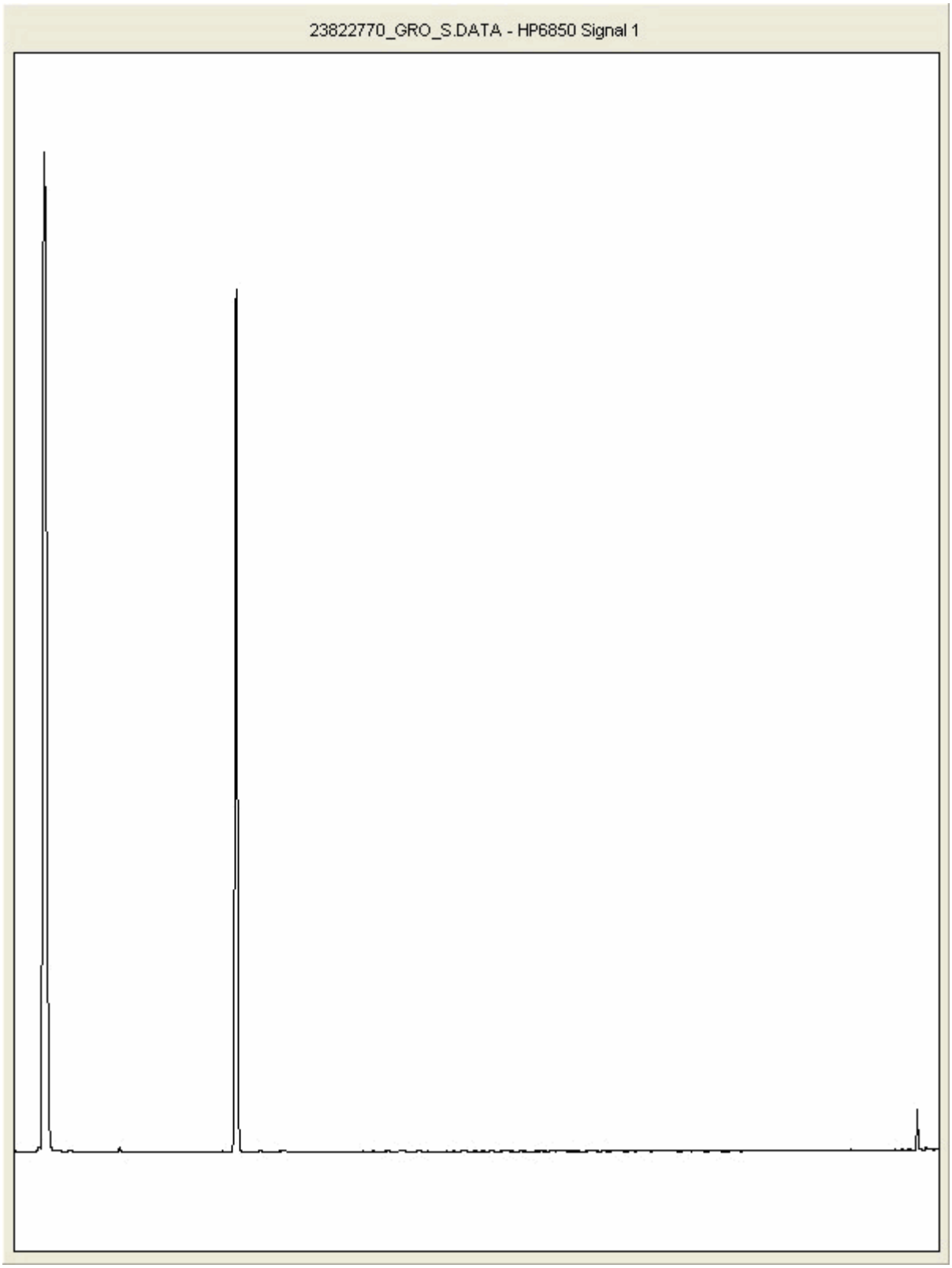
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822770
Sample ID : BH4

Depth : 1.00 - 1.00



CERTIFICATE OF ANALYSIS

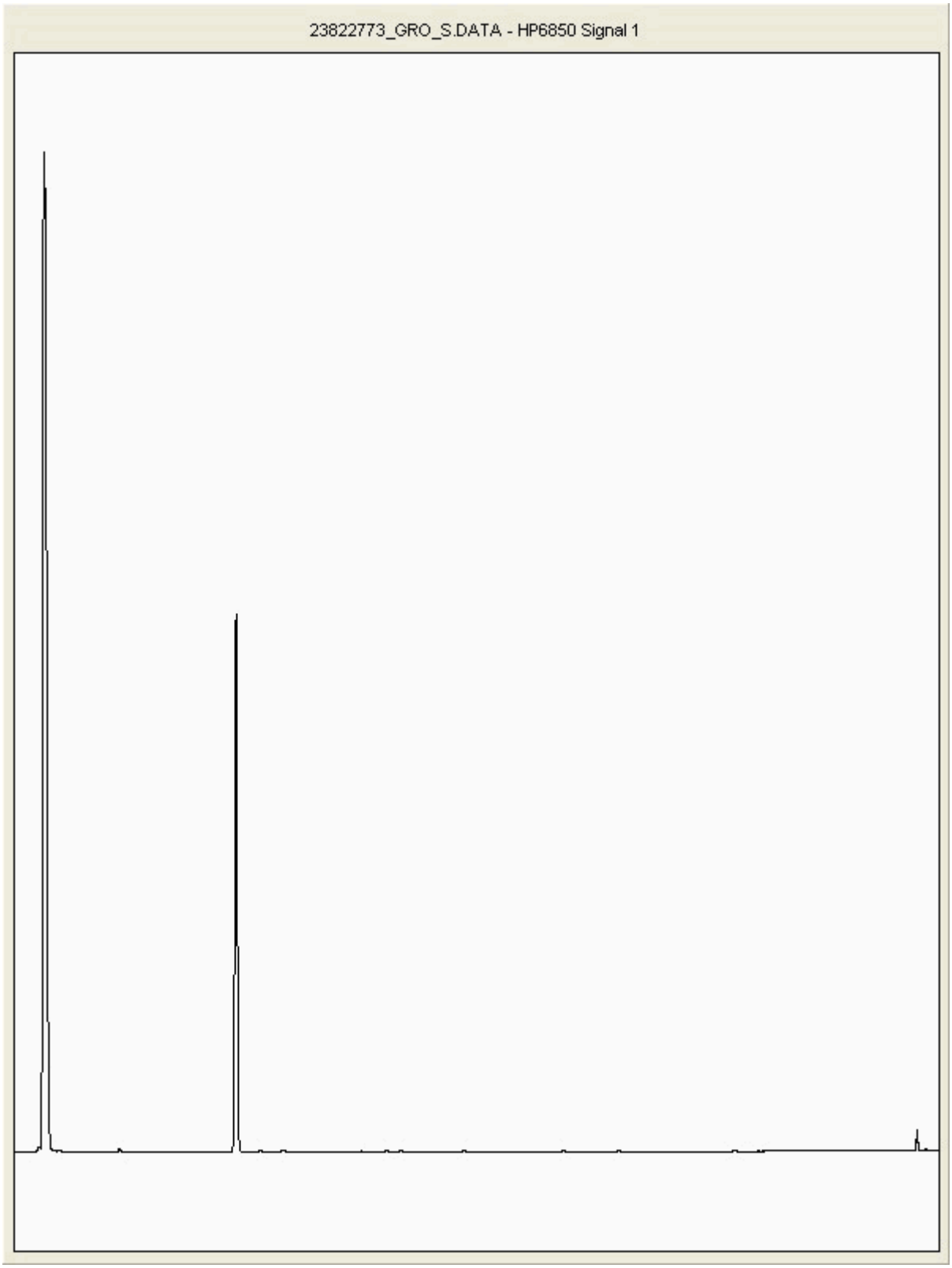
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822773
Sample ID : TP3

Depth : 1.80 - 1.80



CERTIFICATE OF ANALYSIS

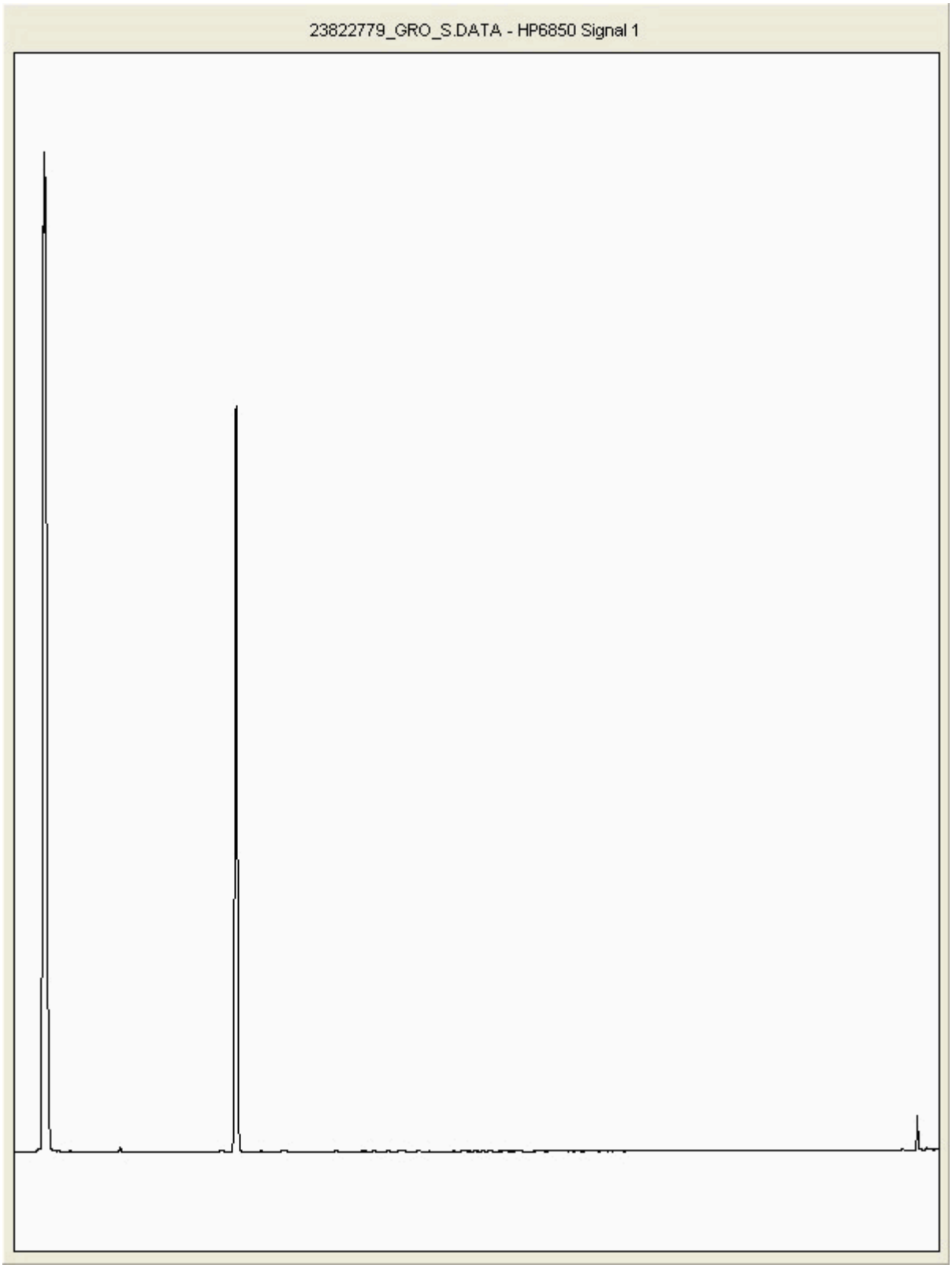
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822779
Sample ID : BH5

Depth : 0.60 - 0.60



CERTIFICATE OF ANALYSIS

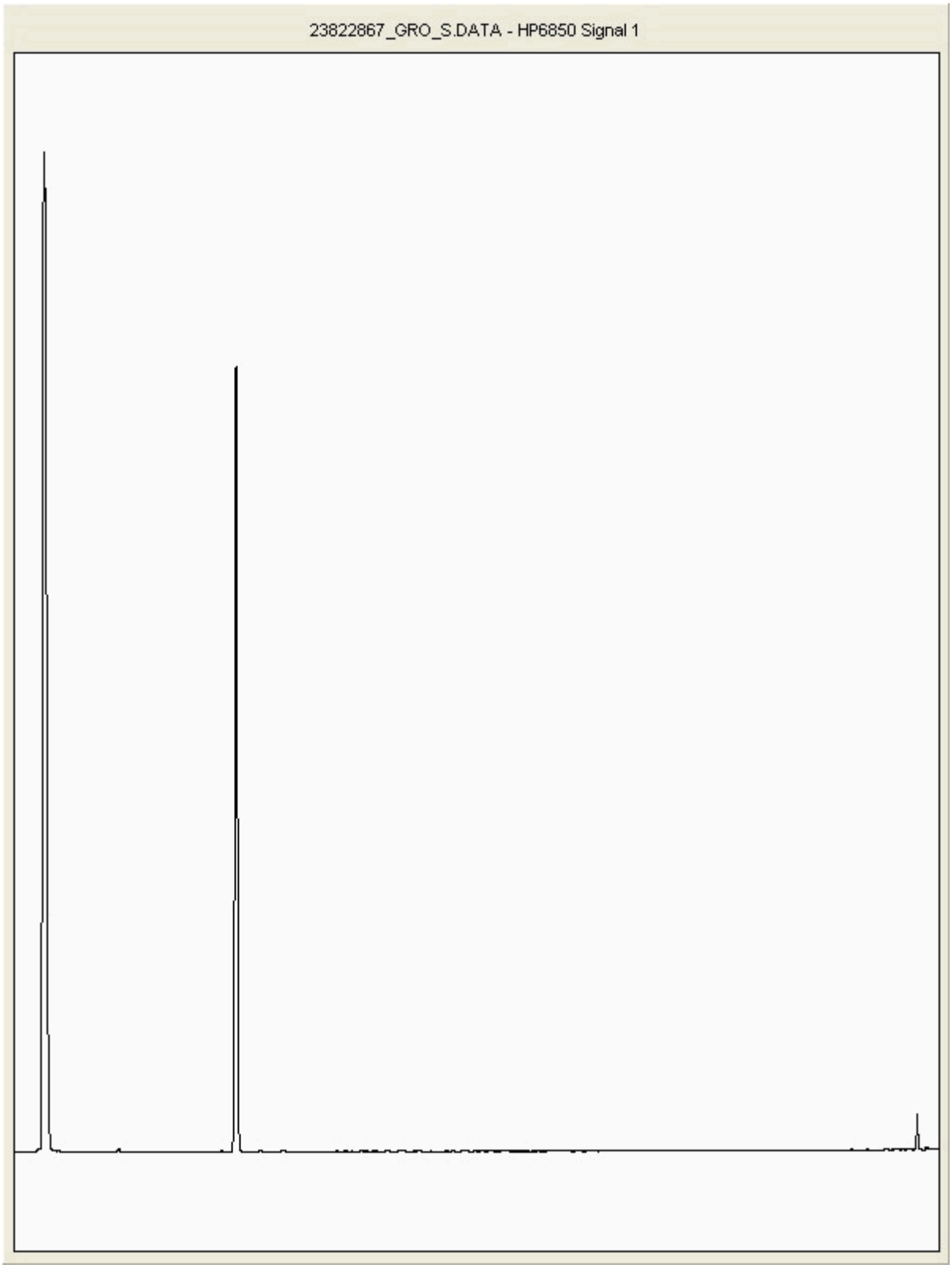
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822867
Sample ID : BH5

Depth : 0.90 - 0.90



CERTIFICATE OF ANALYSIS

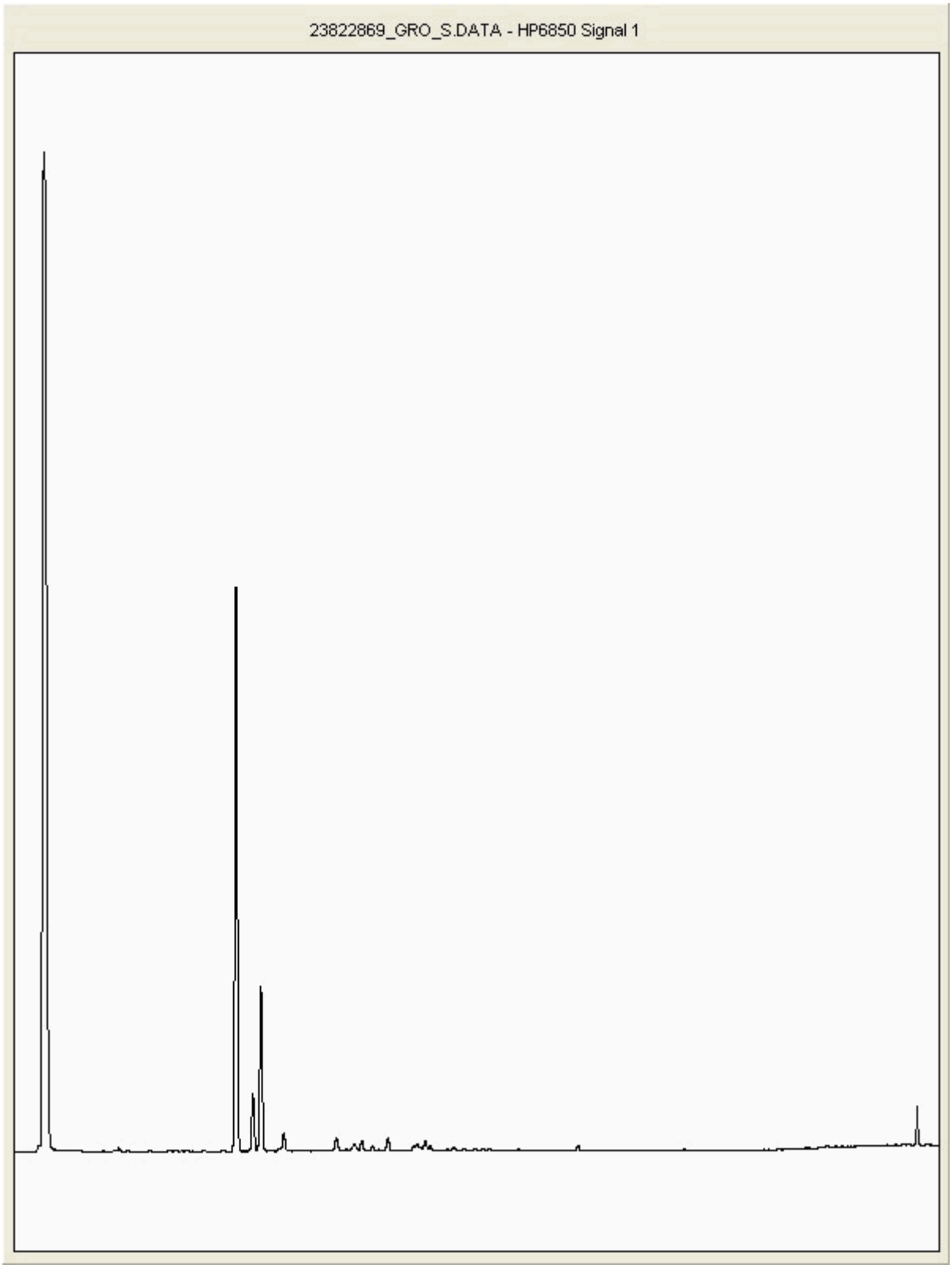
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822869
Sample ID : TP1

Depth : 0.70 - 0.70



CERTIFICATE OF ANALYSIS

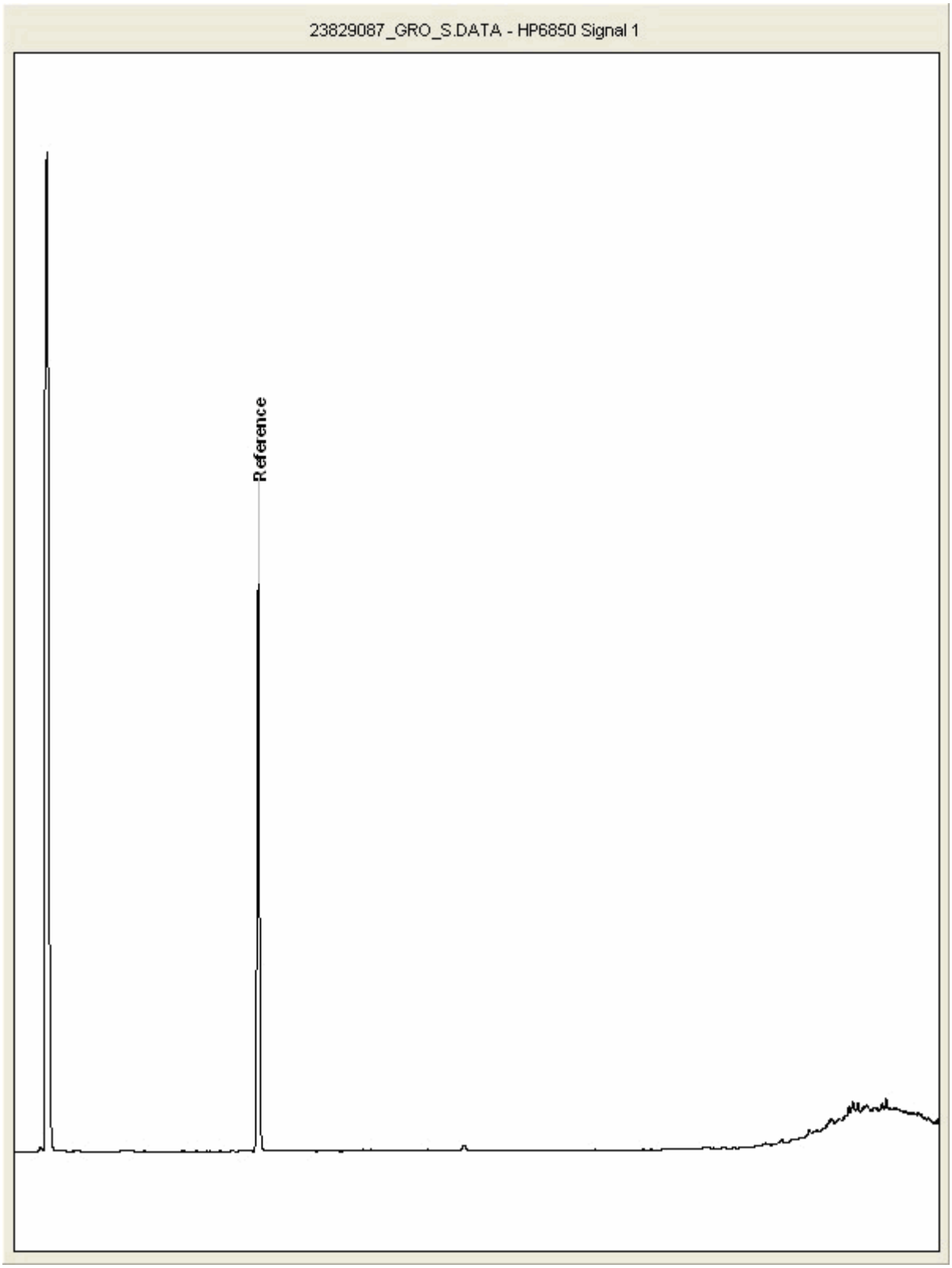
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23829087
Sample ID : TP3

Depth : 0.30 - 0.30



CERTIFICATE OF ANALYSIS

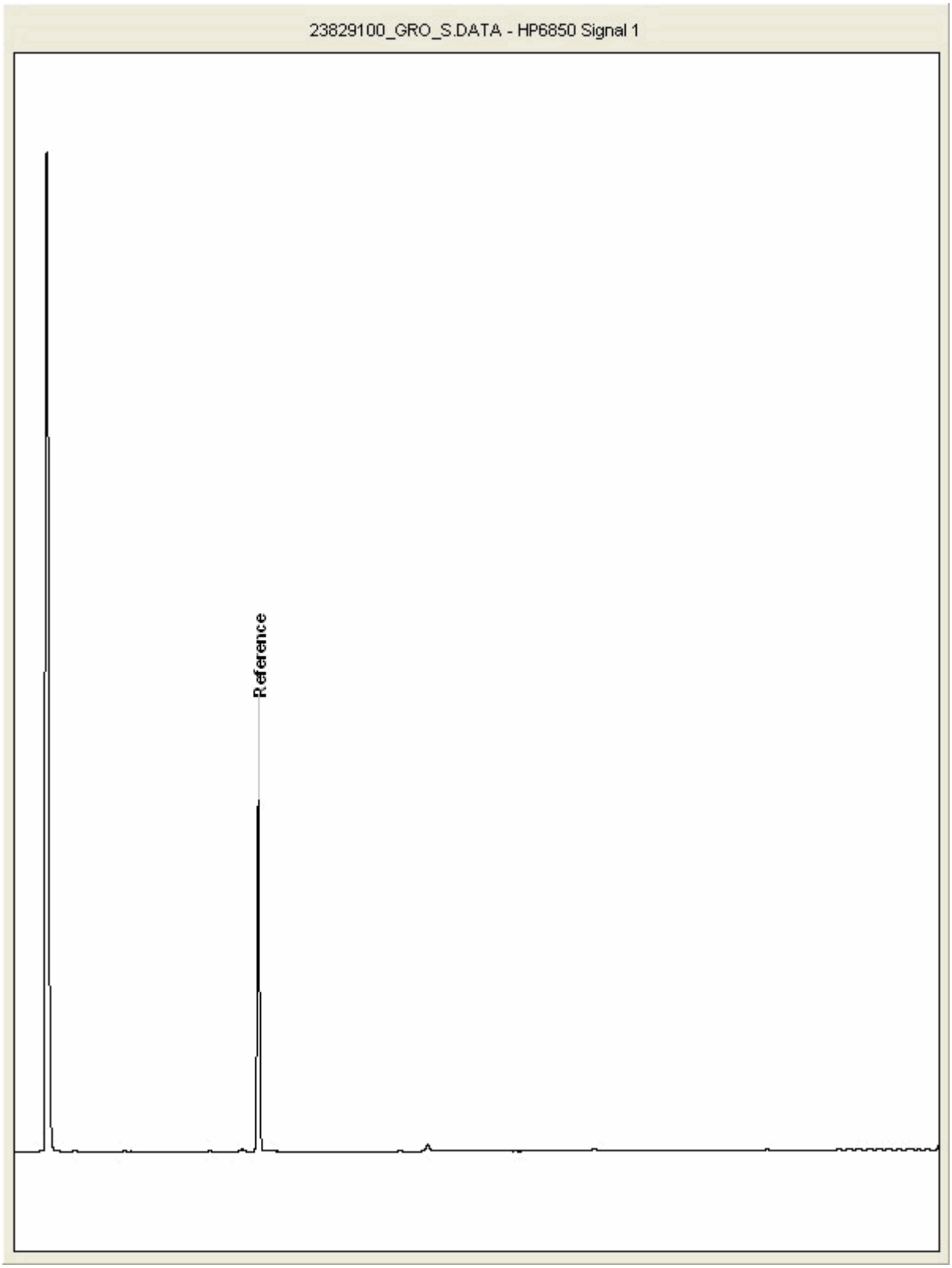
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23829100
Sample ID : BH3

Depth : 5.00 - 5.00



CERTIFICATE OF ANALYSIS

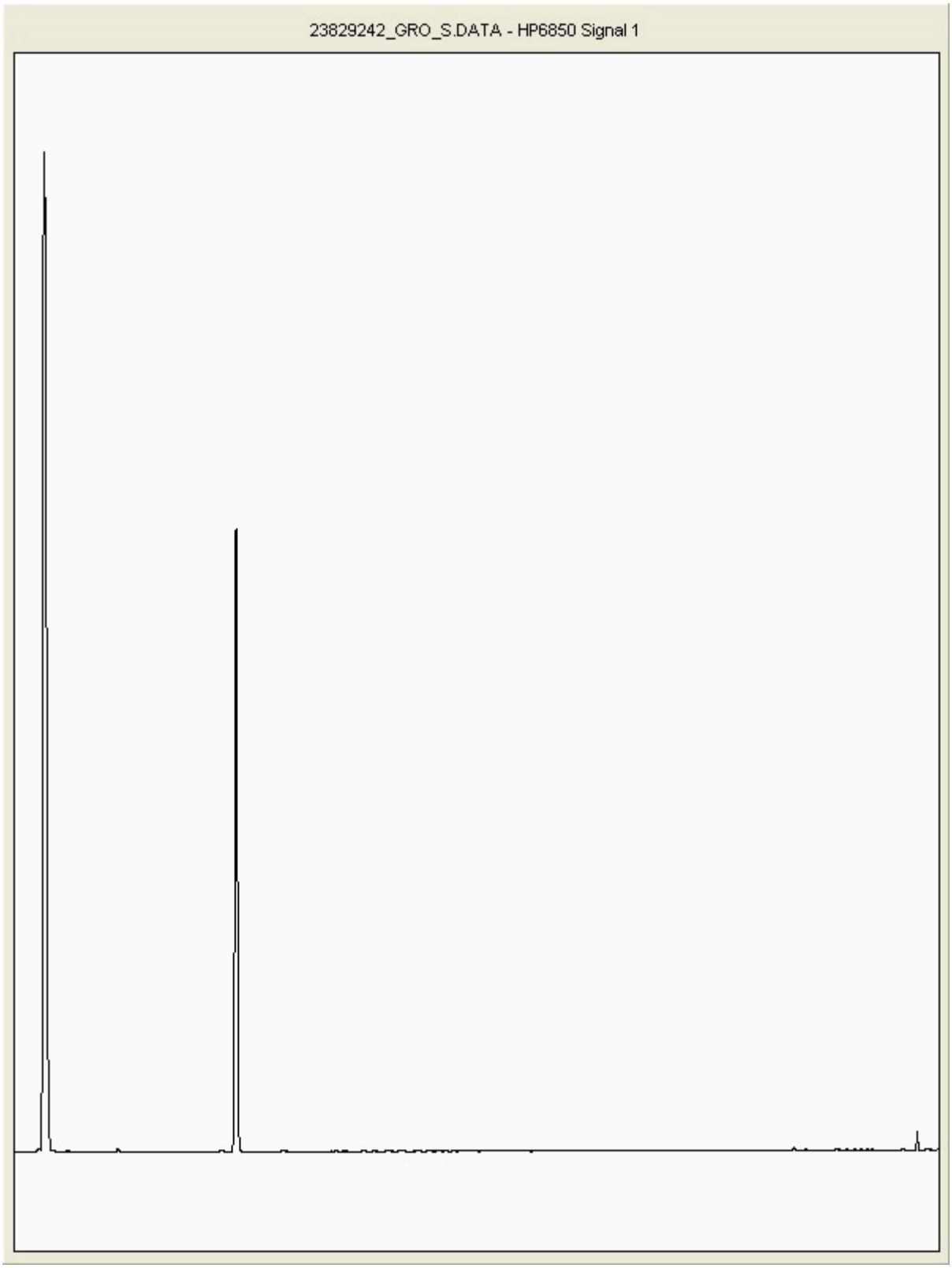
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23829242
Sample ID : BH3

Depth : 3.00 - 3.00



CERTIFICATE OF ANALYSIS

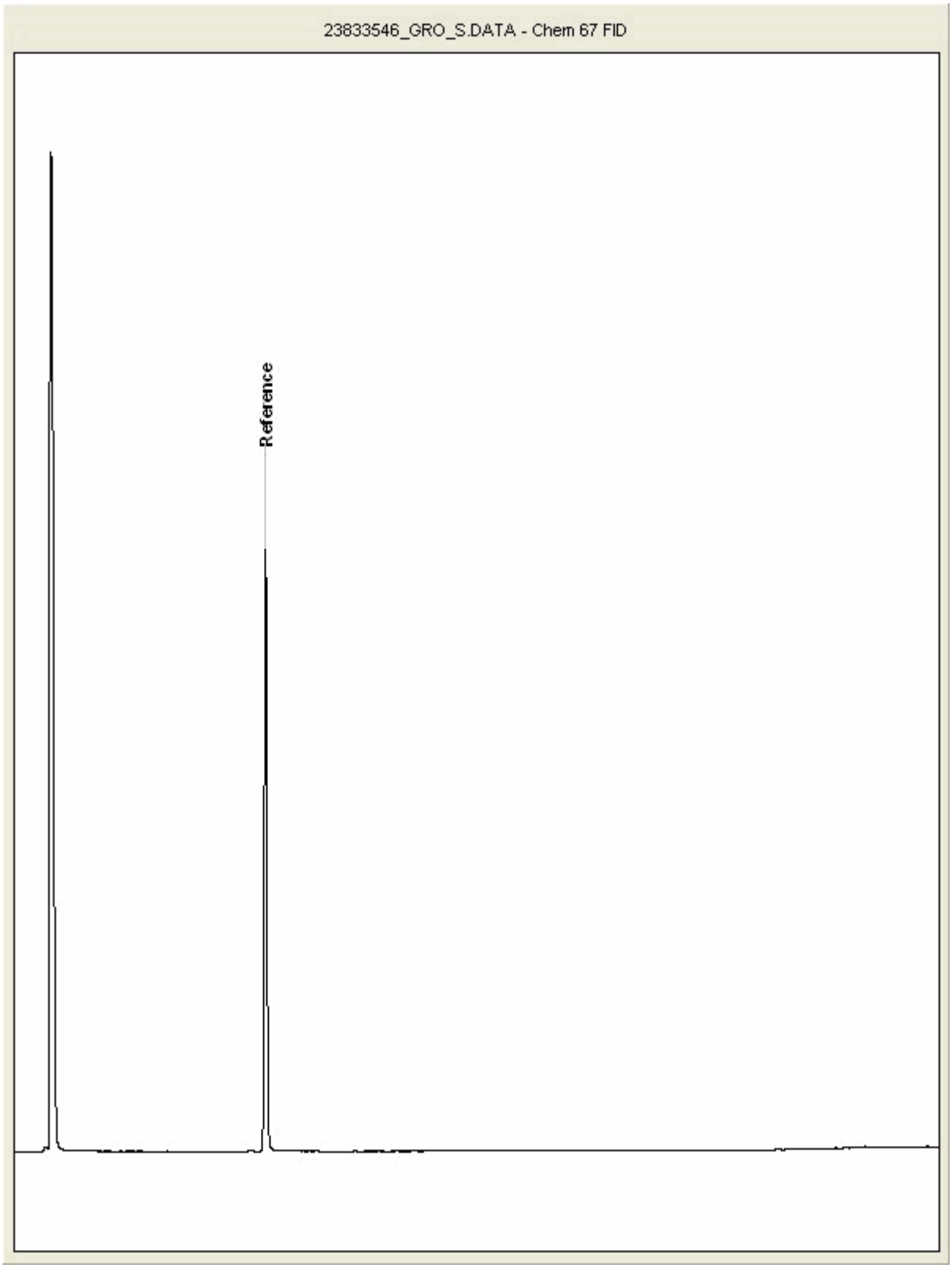
SDG:	210226-121	**Client Reference:**	70067958	**Report Number:**	591276
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	590821

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23833546
Sample ID : BH4

Depth : 0.60 - 0.60



BAE Systems
Properties Ltd
10-11 Adlington South
Business Park
Adlington
Lancashire
PR7 4JR, England
Telephone: 03300 488680

TEST CERTIFICATE

Certificate No: BC0017/21

Site : **210226-121** **Ref :** **43X10329**

Client :	ALS Hawarden	**Date Received :**	09/03/2021
Address :	Unit 7-8 Hawarden Business Park Manor Rd Hawarden Deeside	**Date Completed :**	16/03/2021
		Date Of Report :	16/03/2021
	CH5 3US	**Attention :**	Project Manager

Accreditation Key: **U** = UKAS **M** = UKAS & MCERTS **S** = Subcontracted Tests

Test Methods

Deviating Sample(s)	This test certificate contains deviating samples: See Notes
Standard Explosives Suite	using ESAL/QC/4 parts a, j, either k or LCMSsoils, HPLCsoils, NC by l or m

Approved :

Mr D.C. Poole
Laboratory manager

Mr P.D. Hart
Senior Analyst

1764

BAE SYSTEMS

TABLE OF RESULTS

Lab Code	20210234		
Client Ref A	23857067 TP1		
Client Ref B	0.10m-0.10m		
Client Ref C	17/02/2021		
Sample Type	Soil		
Soil Type	Made Ground (>50% Top S		
NC Colour	**-ve**		U
NC Colourimetric	**<5000**	**mg/kg**	U
HMX	**<2**	**mg/kg**	M
RDX	**<2**	**mg/kg**	M
EGDN	**<1**	**mg/kg**	M
Tetryl	**<1**	**mg/kg**	M
NG	**<1**	**mg/kg**	M
TNT	**<0.1**	**mg/kg**	M
2,6-DNT	**<1**	**mg/kg**	M
2,4-DNT	**<1**	**mg/kg**	M
PETN	**<5**	**mg/kg**	M
HNS	**<0.5**	**mg/kg**	M
Picrite	**<0.25**	**mg/kg**	M
Picric Acid	**<0.1**	**mg/kg**	M

COMMENTS AND DEPARTURES FROM STANDARD PROCEDURES

Lab ID	Client Descriptions		Notes
20210234	23857067 TP1	0.10m-0.10m	Sample supplied in inappropriate container. Therefore, this sample is deemed as deviating and as a consequence the explosives results maybe invalid. Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid.

NOTES

1. This test report shall not be reproduced except in full, without written approval of the laboratory.

2. All results for soil samples are reported based on dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30°C and subsequently ground and sieved to pass through a nominal 710µm aperture sieve. Prior to grinding, any material which is retained on a sieve of mesh size 4.5mm is discarded. Analysis is carried out directly on these prepared soils with the exception of petrol range organic compounds. These analyses are carried out on the soil "As Received" and corrected for the dry weight (at 105 °C) prior to reporting.

3. BAE Systems does not correct results for analytical recoveries.

4. All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients.The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.

5. Validation studies indicate that the concentration of nitrocellulose in high organic content soils may be overestimated.

6. Results stated in this test report relate only to the samples tested.

7. Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.

8. The initials or common names used for reporting explosives relate to the following compounds: Nitrocellulose(NC); Cyclotetramethylene Tetranitramine (HMX); Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine (RDX); Ethylene Glycol Dinitrate (EGDN); 2,4,6-Trinitro-Phenylmethyl Nitramine (Tetryl); Glycerol Trinitrate (NG); 2,4,6-Trinitrotoluene (TNT); Pentaeryhritol Tetranitrate (PETN); Hexanitro-Stilbene (HNS); Nitroguanidine (Picrite); 2,4,6-Trinitro Phenol (Picric Acid); 2,4-Dinitrotoluene (2,4-DNT); 2,6-Dinitrotoluene (2,6-DNT), 2-Amino-4,6-Dinitrotoluene (2-Amino-4,6-DNT), 4-Amino-4,6-Dinitrotoluene (4-Amino-2,6-DNT).

9. Some reporting limits may be raised due to poor recovery of internal standard or dilution of highly contaminated samples.

10. In unacidified waters Tetryl, 1,3,5-TNB, 1,3-DNB and TNT are unstable decaying rapidly over a few days or less depending on the sample matrix. 2-Amino-4,6-DNT, 2,6-DNT and 2,4-DNT are generally more stable depending on the sample matrix, but are likely to show significant loss after three weeks. HMX, RDX, EGDN, PETN, NB, MNT isomers, 4-Amino-2,6-DNT, Picrite and Picric acid are relatively stable after three weeks in unpreserved water samples. These comments are based on laboratory in house trials in surface and ground waters and results from literature searches.

11. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

End of Report BC0017/21

Certificate of Analysis

Report No.:	**21-99036-1**
Issue No.:	**1**
Date of Issue	**18/03/2021**
Customer Details:	ALS Life Sciences Limited, Unit7-8, Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US
Customer Contact:	Carrie Foster
Customer Order No.:	210226-121
Customer Reference:	210226-121
Quotation Reference:	210302/08
Description:	3 soil samples
Date Received:	08/03/2021
Date Started:	10/03/2021
Date Completed:	12/03/2021
Test Methods:	Details available on request (refer to SOP code against relevant result/s)
Notes:	None

Approved By: **Matthew Hickson, Laboratory Manager**

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service.
This certificate shall not be reproduced except in full without the prior written approval of the laboratory.
Observations and interpretations are outside of the scope of UKAS accreditation.
Results reported herein relate only to the items supplied to the laboratory for testing.
Results on an Interim Report are not dry-weight corrected.
Where the laboratory is not responsible for the sampling, results apply to the sample(s) as they were received.
The laboratory shall not be responsible for any information that is supplied by the customer that may affect the validity of results.

RPS Environmental Management Limited trading as RPS Mountainheath. Registered in England No. 01756175.

Results Summary

Report No.: 21-99036-1

Customer Reference: 210226-121

Customer Order No: 210226-121

Customer Sample No	**23828804**	**23827407**	**23827353**
Customer Sample ID	BH4	TP2	TP3
RPS Sample No	456442	456443	456444
Sample Type	**SOIL**	**SOIL**	**SOIL**
Sample Depth (m)	0.60	0.20	0.80
Sampling Date	17/02/2021	17/02/2021	17/02/2021

Determinand	CAS No	Codes	SOP	Units	RL			
dibutyltin (DBT)	1002-53-5	N	in house	mg/kg as cation	0.02	< 0.02	< 0.02	< 0.02
diphenyltin (DPT)		N	in house	mg/kg as cation	0.02	< 0.02	< 0.02	< 0.02
monobutyltin (MBT)	78763-54-9	N	in house	mg/kg as cation	0.15	< 0.15	< 0.15	< 0.15
monophenyltin (MPT)		N	in house	mg/kg as cation	0.02	< 0.02	< 0.02	< 0.02
tributyltin (TBT)	56573-85-4	N	in house	mg/kg as cation	0.02	< 0.02	0.05	< 0.02
triphenyltin (TPT)	668-34-8	N	in house	mg/kg as cation	0.05	< 0.05	< 0.05	< 0.05
tetrabutyltin	1461-25-2	N	in house	mg/kg as cation	0.02	< 0.02	< 0.02	< 0.02

Deviating Samples

Report No.: 21-99036-1

Customer Reference: 210226-121

Customer Order No: 210226-121

Our policy on Deviating Samples has been implemented in accordance with UKAS Policy on Deviating Samples (TPS63).
RPS is not responsible for the integrity of samples as received, unless RPS personnel performed the sampling. Samples submitted may be declared to be deviating.
Where applicable the analysis method remains UKAS accredited, however results reported for a deviating sample may be compromised.
Where no sampling date was supplied, samples have been declared to be deviating. If the date can be supplied, results may be reissued if assessed not deviating.
Where the sample container used was unsuitable or broken, the sample is flagged as deviating and re-sampling/re-submisson may be required.

RPS No.	Customer No.	Customer ID	Date Sampled	Containers Received	Deviating	Reason for Deviation
456442	23828804		17/02/2021	60ml amber glass jar	**Yes**	Holding time has been exceeded. Temperature of samples exceeded in transit/storage
456443	23827407		17/02/2021	60ml amber glass jar	**Yes**	Holding time has been exceeded. Temperature of samples exceeded in transit/storage
456444	23827353		17/02/2021	60ml amber glass jar	**Yes**	Holding time has been exceeded. Temperature of samples exceeded in transit/storage

Report No.: 21-99036-1

Key Code	Description
U	UKAS Accredited Test - UKAS accreditation is only implied if the report carries the UKAS logo
F	UKAS Flexible Scope Test
M	MCERTS Accredited Test - MCERTS accreditation is only implied if the report carries the MCERTS logo
N	Not Accredited Test
O	Marine Management Organisation (MMO) Validated
S	Subcontracted to approved laboratory
US	Subcontracted to approved laboratory UKAS Accredited for the test
MS	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
SI	Subcontracted to internal RPS Group laboratory
USI	Subcontracted to internal RPS Group laboratory UKAS Accredited for the test
MSI	Subcontracted to internal RPS Group laboratory MCERTS/UKAS Accredited for the test
I/S (in results)	Insufficient Sample
U/S (in results)	Unsuitable Sample
S/C (in results)	See Comments
ND (in results)	Not Detected
AD (in units)	Results are expressed on an air-dried basis at 30 °C
DW (in units)	Results are expressed on a dry weight basis at 105 °C

Sample Type	Sample Retention and Disposal Period
Foodstuff	1 month (if frozen) from the issue date of this report
Waters	2 weeks from the issue date of this report
Other Liquids	1 month from the issue date of this report
Solids / Soils	1 month from the issue date of this report
Sediments	1 month from the issue date of this report

Note: Sample retention may be subject to agreement with the customer for particular projects

Where the dry solids value of a sample is low (<50%), reporting limits are automatically raised for all determinants analysed on an as-received basis.

Soil Typing	Description
Type 1	Clay - Brown
Type 2	Clay - Grey/Black
Type 3	Sand
Type 4	Top Soil (Standard)
Type 5	Top Soil (High Peat)
Type 6	Made Ground (>50% Clay)
Type 7	Made Ground (>50% Sand)
Type 8	Made Ground (>50% Top Soil)
Type X	Other

Certificate Notes	Description
Note 1	This test report shall not be reproduced except in full, without written approval of the Laboratory.
Note 2	Unless otherwise stated, results are not corrected for analytical recoveries.
Note 3	All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients. Once submitted, samples requiring analysis are stored at 5 ± 3°C. The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.
Note 4	Samples were taken by the customer and, unless otherwise stated, sampling locations were not supplied.
Note 5	Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.
Note 6	Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Note for results expressed on an air-dried basis: Results for soil samples are reported based on the dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30 °C and subsequently ground and seived to pass through a nominal 710 µm aperture sieve. Prior to any grinding, any material which is retained on a sieve of mesh size 4.75mm is discarded. In most cases, analysis is carried out directly on these prepared soils.

Note: Where the following information is included in this certificate, it has usually been supplied by the customer: Customer Sample ID, Sample Location, Sample Depth, Sampling Date and Sampling Time. The laboratory shall not be responsible for any information that is supplied by the customer that may affect the validity of results.

Appendix General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as “mixed hydrocarbons”. Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Matrix interference**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**
§	**Sampled on date not provided**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as “Not detected”. If no asbestos fibre types are found all will be reported as “Not detected” and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

WSP PB LBH
WSP PB
4th Floor
6 Devonshire Square
London
EC2M 4YE

Attention: Chris Summers

CERTIFICATE OF ANALYSIS

Date of report Generation:	19 March 2021
Customer:	WSP PB LBH
Sample Delivery Group (SDG):	210226-124
Your Reference:	70067958
Location:	JHP Land, Tipner West
Report No:	591278

We received 29 samples on Wednesday February 24, 2021 and 12 of these samples were scheduled for analysis which was completed on Friday March 19, 2021. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
23804518	BH7	ES	0.15 - 0.15	19/02/2021
23804531	BH7	ES	1.10 - 1.10	19/02/2021
23804179	BH7	ES	3.00 - 3.80	19/02/2021
23804193	BH7	ES	4.00 - 4.00	19/02/2021
23804231	BH7	ES	5.00 - 5.00	19/02/2021
23804241	BH8	ES	0.30 - 0.45	19/02/2021
23804368	BH8	ES	0.60 - 0.80	19/02/2021
23804377	BH8	ES	2.00 - 2.00	19/02/2021
23804458	BH8	ES	3.00 - 3.00	22/02/2021
23804345	BH8	ES	4.00 - 4.00	22/02/2021
23804466	BH8	ES	5.00 - 5.00	22/02/2021
23804259	BH9	ES	0.35 - 0.35	19/02/2021
23804281	BH9	ES	0.75 - 0.75	19/02/2021
23804479	BH9	ES	1.20 - 1.50	23/02/2021
23804488	BH9	ES	2.20 - 2.20	23/02/2021
23804499	BH9	ES	3.00 - 3.00	23/02/2021
23804507	BH9	ES	5.00 - 5.00	23/02/2021
23804303	BH10	ES	0.40 - 0.40	19/02/2021
23804319	BH10	ES	0.75 - 0.75	19/02/2021
23804154	BH10	ES	1.50 - 2.00	22/02/2021
23804451	BH10	ES	10.00 - 10.00	22/02/2021
23804213	BH10	ES	2.20 - 2.50	22/02/2021
23804385	BH10	ES	3.00 - 3.30	22/02/2021
23804402	BH10	ES	4.00 - 4.00	22/02/2021
23804413	BH10	ES	5.00 - 5.00	22/02/2021
23804425	BH10	ES	6.00 - 6.00	22/02/2021
23804444	BH10	ES	8.70 - 8.70	22/02/2021
23804334	HP1	ES	0.25 - 0.25	19/02/2021
23804355	HP1	ES	0.60 - 0.60	19/02/2021

Only received samples which have had analysis scheduled will be shown on the following pages.

CERTIFICATE OF ANALYSIS

Validated

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

			Lab Sample No(s)	23804518	23804531	23804179	23804241	23804368	23804259	23804281	23804303
			Customer Sample Reference	BH7	BH7	BH7	BH8	BH8	BH9	BH9	BH10
			AGS Reference	ES	ES	ES	ES	ES	ES	ES	ES
			Depth (m)	0.15 - 0.15	1.10 - 1.10	3.00 - 3.80	0.30 - 0.45	0.60 - 0.80	0.35 - 0.35	0.75 - 0.75	0.40 - 0.40
			Container	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)
			Sample Type	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Ammonium Soil by Titration	All	NDPs: 0 Tests: 10			X			X					X			X			X			X		
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 9		X			X					X			X			X			X			X
Boron Water Soluble	All	NDPs: 0 Tests: 10			X			X					X			X			X			X		
CEN Readings	All	NDPs: 0 Tests: 3													X									X
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 10			X			X					X			X			X			X		
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 3													X									X
EPH CWG GC (S)	All	NDPs: 0 Tests: 11			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 11				X			X			X			X			X			X			X	
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 10			X			X					X			X			X			X		
Mercury Dissolved	All	NDPs: 0 Tests: 3													X									X
Metals in solid samples by OES	All	NDPs: 0 Tests: 10			X			X					X			X			X			X		
Organotins on soils*	All	NDPs: 0 Tests: 2			X																			
pH	All	NDPs: 0 Tests: 10			X			X					X			X			X			X		
Phenols by HPLC (S)	All	NDPs: 0 Tests: 11			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 12			X			X			X			X			X			X			X	

| 23804355 | | |

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

X **Test**

N **No Determination Possible**

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			23804518			23804531			23804179			23804241			23804368			23804259			23804281			23804303	
Customer Sample Reference			BH7			BH7			BH7			BH8			BH8			BH9			BH9			BH10	
AGS Reference			ES			ES			ES			ES			ES			ES			ES			ES	
Depth (m)			0.15 - 0.15			1.10 - 1.10			3.00 - 3.80			0.30 - 0.45			0.60 - 0.80			0.35 - 0.35			0.75 - 0.75			0.40 - 0.40	
Container			1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	
Sample Type			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 11		X			X		X			X			X			X			X				
Total Organic Carbon	All	NDPs: 0 Tests: 10		X			X					X			X			X			X				
Total Sulphate	All	NDPs: 0 Tests: 10		X			X					X			X			X			X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 11		X			X		X			X			X			X			X				
VOC MS (S)	All	NDPs: 0 Tests: 11			X			X		X			X			X			X				X			

23804355	HP1	ES	0.60 - 0.60	60g VOC (ALE215)	S		
				250g Amber Jar (ALE210)	S	X	
				1kg TUB with Handle (ALE260)	S		
23804334	HP1	ES	0.25 - 0.25	250g Amber Jar (ALE210)	S		
				1kg TUB with Handle (ALE260)	S		
23804385	BH10	ES	3.00 - 3.30	60g VOC (ALE215)	S		X
				250g Amber Jar (ALE210)	S	X	
23804319	BH10	ES	0.75 - 0.75	60g VOC (ALE215)	S		X
				250g Amber Jar (ALE210)	S	X	
				1kg TUB with Handle (ALE260)	S		
23804303	BH10	ES	0.40 - 0.40	60g VOC (ALE215)	S		X
				250g Amber Jar (ALE210)	S	X	

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
23804179	BH7	3.00 - 3.80	Dark Brown	Sandy Silt Loam	Stones	None
23804518	BH7	0.15 - 0.15	Dark Brown	Loamy Sand	Stones	None
23804531	BH7	1.10 - 1.10	Dark Brown	Sandy Clay Loam	Brick	Cement board
23804241	BH8	0.30 - 0.45	Light Brown	Sandy Clay	Stones	Brick
23804368	BH8	0.60 - 0.80	Beige	Loamy Sand	Brick	Stones
23804259	BH9	0.35 - 0.35	Dark Brown	Loamy Sand	Brick	Stones
23804281	BH9	0.75 - 0.75	Light Brown	Loamy Sand	Stones	None
23804303	BH10	0.40 - 0.40	Beige	Loamy Sand	Stones	Brick
23804319	BH10	0.75 - 0.75	Dark Brown	Sandy Silt Loam	Stones	Brick
23804385	BH10	3.00 - 3.30	Light Brown	Silty Clay	Stones	None
23804334	HP1	0.25 - 0.25	Dark Brown	Loamy Sand	Stones	Vegetation
23804355	HP1	0.60 - 0.60	Dark Brown	Sandy Loam	Stones	Vegetation

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH7	BH7	BH8	BH8	BH9
			Depth (m)	0.15 - 0.15	1.10 - 1.10	3.00 - 3.80	0.30 - 0.45	0.60 - 0.80	0.35 - 0.35
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804518	23804531	23804179	23804241	23804368	23804259
			AGS Reference	ES	ES	ES	ES	ES	ES
Moisture Content Ratio (% of as received sample)	%	PM024		16	19	18	22	16	16
Exchangeable Ammonia as NH4	<15 mg/kg	TM024		<15 M	<15 M		<15 M	<15 M	<15 M
Catechol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenol	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M
Cresols	<0.01 mg/kg	TM062 (S)		<0.01 M	0.0124 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M
Resorcinol	<0.05 mg/kg	TM062 (S)		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenols	<0.015 mg/kg	TM062 (S)		<0.015 M	<0.015 M	<0.015 M	<0.015 M	<0.015 M	<0.015 M
1-Naphthol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)		<0.015 M	<0.015 M	<0.015 M	<0.015 M	<0.015 M	<0.015 M
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)		<0.06 M	<0.06 M	<0.06 M	<0.06 M	<0.06 M	<0.06 M
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Soil Organic Matter (SOM)	<0.35 %	TM132		1.47 #	3.93 #		1.15 #	<0.35 #	6.65 #
pH	1 pH Units	TM133		8.54 M	8.34 M		8.65 M	8.8 M	10.7 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #		<0.6 #	<0.6 #	<0.6 #
Cyanide, Total	<1 mg/kg	TM153		1.04 M	<1 M		<1 M	<1 M	<1 M
Arsenic	<0.6 mg/kg	TM181		11.1 M	10.7 M		9.04 M	9.03 M	14.6 M
Barium	<0.6 mg/kg	TM181		284 #	136 #		87.3 #	75.2 #	45.7 #
Beryllium	<0.01 mg/kg	TM181		0.363 M	0.518 M		0.312 M	0.263 M	0.635 M
Cadmium	<0.02 mg/kg	TM181		0.89 M	0.463 M		0.491 M	0.333 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		30.5 M	12.8 M		15.2 M	12.6 M	6.48 M
Copper	<1.4 mg/kg	TM181		123 M	72.9 M		40.6 M	29.1 M	69.9 M
Lead	<0.7 mg/kg	TM181		314 M	115 M		91.7 M	133 M	7.48 M
Mercury	<0.1 mg/kg	TM181		0.115 M	<0.1 M		<0.1 M	<0.1 M	<0.1 M
Nickel	<0.2 mg/kg	TM181		23.3 M	13.2 M		13 M	12.6 M	12 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #		<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.7 #	22.3 #		23 #	22.9 #	42.9 #
Zinc	<1.9 mg/kg	TM181		451 M	146 M		129 M	92.1 M	14.5 M
Sulphate, Total	<48 mg/kg	TM221		1210 M	995 M		720 M	654 M	198 M
Boron, water soluble	<1 mg/kg	TM222		<1 M	1.93 M		<1 M	<1 M	<1 M

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH9	BH10	BH10	BH10	HP1	HP1
			Depth (m)	0.75 - 0.75	0.40 - 0.40	0.75 - 0.75	3.00 - 3.30	0.25 - 0.25	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	22/02/2021	19/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804281	23804303	23804319	23804385	23804334	23804355
			AGS Reference	ES	ES	ES	ES	ES	ES
Moisture Content Ratio (% of as received sample)	%	PM024		8.9	19	11	16	18	19
Exchangeable Ammonia as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	<15 M		<15 M
Catechol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01	<0.01	<0.01		<0.01
Phenol	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M	<0.01 M		<0.01 M
Cresols	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M	<0.01 M		<0.01 M
Resorcinol	<0.05 mg/kg	TM062 (S)		<0.05	<0.05	<0.05	<0.05		<0.05
Xylenols	<0.015 mg/kg	TM062 (S)		<0.015 M	<0.015 M	0.0904 M	<0.015 M		<0.015 M
1-Naphthol	<0.01 mg/kg	TM062 (S)		<0.01	<0.01	0.0339	<0.01		<0.01
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01 M	<0.01 M	<0.01 M		<0.01 M
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)		<0.015 M	<0.015 M	<0.015 M	<0.015 M		<0.015 M
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)		<0.06 M	<0.06 M	0.0904 M	<0.06 M		<0.06 M
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)		<0.13	<0.13	<0.13	<0.13		<0.13
Soil Organic Matter (SOM)	<0.35 %	TM132		0.576 #	<0.35 #	<0.35 #	<0.35 #		4.31 #
pH	1 pH Units	TM133		9.22 M	8.63 M	8.73 M	9.73 M		8.2 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #		<0.6 #
Cyanide, Total	<1 mg/kg	TM153		<1 M	<1 M	<1 M	<1 M		2.08 M
Arsenic	<0.6 mg/kg	TM181		13.6 M	1.09 M	6.17 M	2.76 M		42.4 M
Barium	<0.6 mg/kg	TM181		7.29 #	15.3 #	22.3 #	20.6 #		284 #
Beryllium	<0.01 mg/kg	TM181		0.128 M	0.101 M	0.121 M	0.129 M		0.171 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.298 M	0.0271 M	0.457 M		1.37 M
Chromium	<0.9 mg/kg	TM181		7.08 M	1.67 M	6.84 M	5.34 M		145 M
Copper	<1.4 mg/kg	TM181		3.15 M	3.54 M	5.33 M	5.61 M		306 M
Lead	<0.7 mg/kg	TM181		6.27 M	10 M	34.4 M	10.8 M		829 M
Mercury	<0.1 mg/kg	TM181		<0.1 M	<0.1 M	<0.1 M	<0.1 M		0.322 M
Nickel	<0.2 mg/kg	TM181		9.01 M	2.34 M	5.88 M	5.98 M		136 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #		<1 #
Vanadium	<0.2 mg/kg	TM181		26.2 #	3.67 #	14.6 #	10.4 #		298 #
Zinc	<1.9 mg/kg	TM181		13.7 M	16.8 M	25.6 M	25.7 M		921 M
Sulphate, Total	<48 mg/kg	TM221		<48 M	342 M	341 M	217 M		1510 M
Boron, water soluble	<1 mg/kg	TM222		<1 M	<1 M	<1 M	2.28 M		2.72 M

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Organotins on soils*

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Customer Sample Ref.	BH7	HP1
Depth (m)	0.15 - 0.15	0.25 - 0.25
Sample Type	Soil/Solid (S)	Soil/Solid (S)
Date Sampled	19/02/2021	19/02/2021
Sampled Time	.	.
Date Received	24/02/2021	24/02/2021
SDG Ref	210226-124	210226-124
Lab Sample No.(s)	23804518	23804334
AGS Reference	ES	ES

Component	LOD/Units	Method		
Dibutyl Tin*	mg/kg	SUB	<0.02	0.05
Tributyl Tin*	mg/kg	SUB	<0.02	0.09
Triphenyl Tin*	mg/kg	SUB	<0.05	<0.05
Tetrabutyl Tin*	mg/kg	SUB	<0.02	<0.02
Monobutyl Tin*	mg/kg	SUB	<0.15	<0.15
Monophenyl Tin*	mg/kg	SUB	<0.02	<0.02
Diphenyl Tin*	mg/kg	SUB	<0.02	<0.02

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH7	BH7	BH8	BH8	BH9
			Depth (m)	0.15 - 0.15	1.10 - 1.10	3.00 - 3.80	0.30 - 0.45	0.60 - 0.80	0.35 - 0.35
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804518	23804531	23804179	23804241	23804368	23804259
			AGS Reference	ES	ES	ES	ES	ES	ES
Phenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.2	<0.1	<0.2	<0.2	<0.1	<0.2
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		0.119	<0.1	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157		0.19	0.168	<0.1	<0.1	<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157		0.274	<0.1	<0.1	<0.1	<0.1	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		0.179	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH7	BH7	BH8	BH8	BH9
			Depth (m)	0.15 - 0.15	1.10 - 1.10	3.00 - 3.80	0.30 - 0.45	0.60 - 0.80	0.35 - 0.35
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804518	23804531	23804179	23804241	23804368	23804259
			AGS Reference	ES	ES	ES	ES	ES	ES
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157		<0.1	0.159	<0.1	<0.1	<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157		0.226	0.175	<0.1	<0.1	<0.1	<0.1
Anthracene	<0.1 mg/kg	TM157		0.44	0.734	0.378	0.361	0.189	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157		1.08	2.24	0.427	1.03	1.36	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157		0.881	2.11	0.268	0.503	1.91	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157		0.797	1.87	0.268	0.671	1.53	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157		0.893	2.33	0.354	0.697	2.16	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157		0.476	1.19	0.22	0.323	1.32	<0.1
Chrysene	<0.1 mg/kg	TM157		1.02	1.9	0.403	0.942	1.52	<0.1
Fluoranthene	<0.1 mg/kg	TM157		1.8	3.98	0.598	1.81	1.9	<0.1
Fluorene	<0.1 mg/kg	TM157		0.202	0.213	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157		0.666	2.19	0.268	0.477	2.09	<0.1
Phenanthrene	<0.1 mg/kg	TM157		2.14	1.4	0.354	0.722	0.661	<0.1
Pyrene	<0.1 mg/kg	TM157		2.09	4.04	0.976	2.28	2.51	<0.1
Naphthalene	<0.1 mg/kg	TM157		0.143	0.362	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157		<0.1	0.151	<0.1	<0.1	0.224	<0.1
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH9	BH10	BH10	BH10	HP1
			Depth (m)	0.75 - 0.75	0.40 - 0.40	0.75 - 0.75	3.00 - 3.30	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	22/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804281	23804303	23804319	23804385	23804355
			AGS Reference	ES	ES	ES	ES	ES
Phenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1	<0.2	<0.2	<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	1.31
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	0.322
Dibenzofuran	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	0.149
Carbazole	<0.1 mg/kg	TM157		<0.1	0.148	<0.1	<0.1	0.236
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	0.508
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	0.446
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH9	BH10	BH10	BH10	HP1
			Depth (m)	0.75 - 0.75	0.40 - 0.40	0.75 - 0.75	3.00 - 3.30	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	22/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804281	23804303	23804319	23804385	23804355
			AGS Reference	ES	ES	ES	ES	ES
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157		<0.1	0.172	<0.1	<0.1	0.298
Anthracene	<0.1 mg/kg	TM157		<0.1	0.221	<0.1	<0.1	0.521
Benzo(a)anthracene	<0.1 mg/kg	TM157		<0.1	0.959	<0.1	<0.1	1.8
Benzo(b)fluoranthene	<0.1 mg/kg	TM157		<0.1	0.726	0.113	<0.1	1.61
Benzo(k)fluoranthene	<0.1 mg/kg	TM157		<0.1	0.726	<0.1	<0.1	1.31
Benzo(a)pyrene	<0.1 mg/kg	TM157		<0.1	0.959	<0.1	<0.1	1.57
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157		<0.1	0.541	<0.1	<0.1	1.18
Chrysene	<0.1 mg/kg	TM157		<0.1	0.8	<0.1	<0.1	1.7
Fluoranthene	<0.1 mg/kg	TM157		<0.1	1.55	<0.1	<0.1	2.8
Fluorene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	0.273
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157		<0.1	0.64	<0.1	<0.1	1.7
Phenanthrene	<0.1 mg/kg	TM157		<0.1	1.33	<0.1	<0.1	2.24
Pyrene	<0.1 mg/kg	TM157		<0.1	2.04	<0.1	<0.1	3.25
Naphthalene	<0.1 mg/kg	TM157		<0.1	0.344	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	0.149
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157		<0.1	<0.1	<0.1	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH7	BH7	BH8	BH8	BH9
			Depth (m)	0.15 - 0.15	1.10 - 1.10	3.00 - 3.80	0.30 - 0.45	0.60 - 0.80	0.35 - 0.35
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804518	23804531	23804179	23804241	23804368	23804259
			AGS Reference	ES	ES	ES	ES	ES	ES
GRO Surrogate % recovery**	%	TM089		98.2	92.8	98.7 @	110 @	106 @	91.6
Aliphatics >C5-C6	<0.01 mg/kg	TM089		0.0809	0.0198	0.0415 @	<0.01 @	<0.01 @	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089		0.0321	0.0434	0.0281 @	<0.01 @	<0.01 @	<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089		0.0666	0.231	0.072 @	<0.01 @	<0.01 @	<0.01
Aliphatics >C10-C12	<1 mg/kg	TM414		<1	9.4	<1	<1	<1	<1
Aliphatics >C12-C16	<1 mg/kg	TM414		1.13	34.1	4.52	<1	<1	1.05
Aliphatics >C16-C21	<1 mg/kg	TM414		46.3	40.8	14.7	<1	1.92	4
Aliphatics >C21-C35	<1 mg/kg	TM414		252	93.2	58.9	23.3	21.6	13.3
Aliphatics >C35-C44	<1 mg/kg	TM414		77.6	56.9	20.4	5.64	4.91	<1
Total Aliphatics >C10-C44	<5 mg/kg	TM414		377	234	98.5	29	28.4	18.4
Total Aliphatics & Aromatics >C10-C44	<10 mg/kg	TM414		594	407	162	61.3	52.5	23.9
Aromatics >EC5-EC7	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01 @	<0.01 @	<0.01 @	<0.01
Aromatics >EC7-EC8	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01 @	<0.01 @	<0.01 @	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089		0.044	0.154	0.0476 @	<0.01 @	<0.01 @	<0.01
Aromatics > EC10-EC12	<1 mg/kg	TM414		<1	<1	<1	<1	<1	<1
Aromatics > EC12-EC16	<1 mg/kg	TM414		2.13	13.1	4.14	<1	<1	<1
Aromatics > EC16-EC21	<1 mg/kg	TM414		10.2	34.8	17.1	3.45	3.25	<1
Aromatics > EC21-EC35	<1 mg/kg	TM414		195	112	39.4	25.3	19.3	3.2
Aromatics >EC35-EC44	<1 mg/kg	TM414		9.5	11.9	2.64	3.48	1.53	<1
Aromatics > EC40-EC44	<1 mg/kg	TM414		4.09	2.17	<1	<1	<1	<1
Total Aromatics > EC10-EC44	<5 mg/kg	TM414		217	173	63.2	32.3	24.1	5.55
Total Aliphatics & Aromatics >C5-C44	<10 mg/kg	TM414		594	408	162	61.3	52.5	23.9
Total Aliphatics >C5-C10	<0.05 mg/kg	TM089		0.18	0.294	0.142 @	<0.05 @	<0.05 @	<0.05
Total Aromatics >EC5-EC10	<0.05 mg/kg	TM089		<0.05	0.154	<0.05 @	<0.05 @	<0.05 @	<0.05
GRO >C5-C10	<0.02 mg/kg	TM089		0.18	0.448	0.142 @	<0.02 @	<0.02 @	<0.02

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH9	BH10	BH10	BH10	HP1
			Depth (m)	0.75 - 0.75	0.40 - 0.40	0.75 - 0.75	3.00 - 3.30	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	22/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804281	23804303	23804319	23804385	23804355
			AGS Reference	ES	ES	ES	ES	ES
GRO Surrogate % recovery**	%	TM089		98.9	112	110	101	121 @
Aliphatics >C5-C6	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	<0.01 @
Aliphatics >C6-C8	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	0.0112 @
Aliphatics >C8-C10	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	0.026 @
Aliphatics >C10-C12	<1 mg/kg	TM414		<1	<1	<1	<1	1.77
Aliphatics >C12-C16	<1 mg/kg	TM414		<1	<1	<1	<1	9.41
Aliphatics >C16-C21	<1 mg/kg	TM414		<1	<1	<1	<1	167
Aliphatics >C21-C35	<1 mg/kg	TM414		<1	1.75	1.87	<1	241
Aliphatics >C35-C44	<1 mg/kg	TM414		<1	<1	<1	<1	83.3
Total Aliphatics >C10-C44	<5 mg/kg	TM414		<5	<5	<5	<5	502
Total Aliphatics & Aromatics >C10-C44	<10 mg/kg	TM414		<10	89.8	38.2	<10	1370
Aromatics >EC5-EC7	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	<0.01 @
Aromatics >EC7-EC8	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	<0.01 @
Aromatics >EC8-EC10	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	0.0174 @
Aromatics > EC10-EC12	<1 mg/kg	TM414		<1	3.24	<1	<1	<1
Aromatics > EC12-EC16	<1 mg/kg	TM414		<1	2.82	<1	<1	2.65
Aromatics > EC16-EC21	<1 mg/kg	TM414		<1	28.5	8.3	<1	26.2
Aromatics > EC21-EC35	<1 mg/kg	TM414		<1	47.3	24.8	<1	791
Aromatics >EC35-EC44	<1 mg/kg	TM414		<1	6.13	2.09	<1	46.4
Aromatics > EC40-EC44	<1 mg/kg	TM414		<1	1.08	<1	<1	29.1
Total Aromatics > EC10-EC44	<5 mg/kg	TM414		<5	88	35.5	<5	867
Total Aliphatics & Aromatics >C5-C44	<10 mg/kg	TM414		<10	88	35.5	<10	1370
Total Aliphatics >C5-C10	<0.05 mg/kg	TM089		<0.05	<0.05	<0.05	<0.05	<0.05 @
Total Aromatics >EC5-EC10	<0.05 mg/kg	TM089		<0.05	<0.05	<0.05	<0.05	<0.05 @
GRO >C5-C10	<0.02 mg/kg	TM089		<0.02	<0.02	<0.02	<0.02	<0.02 @

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH7	BH7	BH8	BH8	BH9
			Depth (m)	0.15 - 0.15	1.10 - 1.10	3.00 - 3.80	0.30 - 0.45	0.60 - 0.80	0.35 - 0.35
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804518	23804531	23804179	23804241	23804368	23804259
			AGS Reference	ES	ES	ES	ES	ES	ES
Dibromofluoromethane**	%	TM116		106	108	106	106	106	113
Toluene-d8**	%	TM116		93.7	93.6	98.2	101	99.8	92.6
4-Bromofluorobenzene**	%	TM116		100	99.4	98.6	103	100	95.7
Methyl Tertiary Butyl Ether	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 M	<0.1 M	<0.1 M	<0.1 M
Benzene	<0.009 mg/kg	TM116		<0.09 M	<0.09 M	<0.09 M	<0.09 M	<0.09 M	<0.09 M
Toluene	<0.007 mg/kg	TM116		<0.07 M	<0.07 M	<0.07 M	<0.07 M	<0.07 M	<0.07 M
Ethylbenzene	<0.004 mg/kg	TM116		<0.04 M	<0.04 M	<0.04 M	<0.04 M	<0.04 M	<0.04 M
p/m-Xylene	<0.01 mg/kg	TM116		<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #
o-Xylene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 M	<0.1 M	<0.1 M	<0.1 M
Sum of Detected Xylenes	<0.02 mg/kg	TM116		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sum of BTEX	<0.04 mg/kg	TM116		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH9	BH10	BH10	BH10	HP1
			Depth (m)	0.75 - 0.75	0.40 - 0.40	0.75 - 0.75	3.00 - 3.30	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	22/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804281	23804303	23804319	23804385	23804355
			AGS Reference	ES	ES	ES	ES	ES
Dibromofluoromethane**	%	TM116		113	110	123	110	105
Toluene-d8**	%	TM116		94.4	94	94.1	95	95.7
4-Bromofluorobenzene**	%	TM116		103	104	102	104	94.9
Dichlorodifluoromethane	<0.006 mg/kg	TM116						<0.06 M
Chloromethane	<0.007 mg/kg	TM116						<0.07 #
Vinyl Chloride	<0.006 mg/kg	TM116						<0.06 @ M
Bromomethane	<0.01 mg/kg	TM116						<0.1 M
Chloroethane	<0.01 mg/kg	TM116						<0.1 M
Trichlorofluorormethane	<0.006 mg/kg	TM116						<0.06 M
1,1-Dichloroethene	<0.01 mg/kg	TM116						<0.1 #
Carbon Disulphide	<0.007 mg/kg	TM116						<0.07 M
Dichloromethane	<0.01 mg/kg	TM116						<0.1 #
Methyl Tertiary Butyl Ether	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 M	<0.1 M	<0.1 M
trans-1,2-Dichloroethene	<0.01 mg/kg	TM116						<0.1 M
1,1-Dichloroethane	<0.008 mg/kg	TM116						<0.08 M
cis-1,2-Dichloroethene	<0.006 mg/kg	TM116						<0.06 M
2,2-Dichloropropane	<0.01 mg/kg	TM116						<0.1
Bromochloromethane	<0.01 mg/kg	TM116						<0.1 M
Chloroform	<0.008 mg/kg	TM116						<0.08 M
1,1,1-Trichloroethane	<0.007 mg/kg	TM116						<0.07 M
1,1-Dichloropropene	<0.01 mg/kg	TM116						<0.1 M
Carbontetrachloride	<0.01 mg/kg	TM116						<0.1 M
1,2-Dichloroethane	<0.005 mg/kg	TM116						<0.05 M
Benzene	<0.009 mg/kg	TM116		<0.09 M	<0.09 M	<0.09 M	<0.09 M	<0.09 M
Trichloroethene	<0.009 mg/kg	TM116						<0.09 #
1,2-Dichloropropane	<0.01 mg/kg	TM116						<0.1 M
Dibromomethane	<0.009 mg/kg	TM116						<0.09 M
Bromodichloromethane	<0.007 mg/kg	TM116						<0.07 M
cis-1,3-Dichloropropene	<0.01 mg/kg	TM116						<0.1 M
Toluene	<0.007 mg/kg	TM116		<0.07 M	<0.07 M	<0.07 M	<0.07 M	<0.07 M
trans-1,3-Dichloropropene	<0.01 mg/kg	TM116						<0.1
1,1,2-Trichloroethane	<0.01 mg/kg	TM116						<0.1 M

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH9	BH10	BH10	BH10	HP1
			Depth (m)	0.75 - 0.75	0.40 - 0.40	0.75 - 0.75	3.00 - 3.30	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	22/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804281	23804303	23804319	23804385	23804355
			AGS Reference	ES	ES	ES	ES	ES
1,3-Dichloropropane	<0.007 mg/kg	TM116						<0.07 M
Tetrachloroethene	<0.005 mg/kg	TM116						<0.05 M
Dibromochloromethane	<0.01 mg/kg	TM116						<0.1 M
1,2-Dibromoethane	<0.01 mg/kg	TM116						<0.1 M
Chlorobenzene	<0.005 mg/kg	TM116						<0.05 M
1,1,1,2-Tetrachloroethane	<0.01 mg/kg	TM116						<0.1 M
Ethylbenzene	<0.004 mg/kg	TM116		<0.04 M	<0.04 M	<0.04 M	<0.04 M	<0.04 M
p/m-Xylene	<0.01 mg/kg	TM116		<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #
o-Xylene	<0.01 mg/kg	TM116		<0.1 M	<0.1 M	<0.1 M	<0.1 M	<0.1 M
Styrene	<0.01 mg/kg	TM116						<0.1 @#
Bromoform	<0.01 mg/kg	TM116						<0.1 M
Isopropylbenzene	<0.005 mg/kg	TM116						<0.05 #
1,1,2,2-Tetrachloroethane	<0.01 mg/kg	TM116						<0.1 #
1,2,3-Trichloropropane	<0.016 mg/kg	TM116						<0.16 M
Bromobenzene	<0.01 mg/kg	TM116						<0.1 M
Propylbenzene	<0.01 mg/kg	TM116						<0.1 M
2-Chlorotoluene	<0.009 mg/kg	TM116						<0.09 M
1,3,5-Trimethylbenzene	<0.008 mg/kg	TM116						<0.08 M
4-Chlorotoluene	<0.01 mg/kg	TM116						<0.1 M
tert-Butylbenzene	<0.014 mg/kg	TM116						<0.14 M
1,2,4-Trimethylbenzene	<0.009 mg/kg	TM116						<0.09 #
sec-Butylbenzene	<0.01 mg/kg	TM116						<0.1
4-Isopropyltoluene	<0.01 mg/kg	TM116						<0.1 M
1,3-Dichlorobenzene	<0.008 mg/kg	TM116						<0.08 M
1,4-Dichlorobenzene	<0.005 mg/kg	TM116						<0.05 M
n-Butylbenzene	<0.011 mg/kg	TM116						<0.11
1,2-Dichlorobenzene	<0.01 mg/kg	TM116						<0.1 M
1,2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116						<0.14 M
Tert-amyl methyl ether	<0.01 mg/kg	TM116						<0.1 #
1,2,4-Trichlorobenzene	<0.02 mg/kg	TM116						<0.2
Hexachlorobutadiene	<0.02 mg/kg	TM116						<0.2
Naphthalene	<0.013 mg/kg	TM116						<0.13 M

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH9	BH10	BH10	BH10	HP1
			Depth (m)	0.75 - 0.75	0.40 - 0.40	0.75 - 0.75	3.00 - 3.30	0.60 - 0.60
			Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
			Date Sampled	19/02/2021	19/02/2021	19/02/2021	22/02/2021	19/02/2021
			Sampled Time	.	.	.	.	.
			Date Received	24/02/2021	24/02/2021	24/02/2021	24/02/2021	24/02/2021
			SDG Ref	210226-124	210226-124	210226-124	210226-124	210226-124
			Lab Sample No.(s)	23804281	23804303	23804319	23804385	23804355
			AGS Reference	ES	ES	ES	ES	ES
1,2,3-Trichlorobenzene	<0.02 mg/kg	TM116						<0.2 #
1,3,5-Trichlorobenzene	<0.02 mg/kg	TM116						<0.2
Sum of Detected Xylenes	<0.02 mg/kg	TM116	<0.2	<0.2	<0.2	<0.2	<0.2	
Sum of BTEX	<0.04 mg/kg	TM116	<0.4	<0.4	<0.4	<0.4	<0.4	

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Asbestos Identification - Solid Samples

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
*	Subcontracted test.
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH7ES 0.15 - 0.15 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804518 TM048	04/03/2021	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH7ES 1.10 - 1.10 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804531 TM048	03/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH8ES 0.30 - 0.45 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804241 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH8ES 0.60 - 0.80 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804368 TM048	04/03/2021	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH9ES 0.35 - 0.35 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804259 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH9ES 0.75 - 0.75 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804281 TM048	03/03/2021	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH10ES 0.40 - 0.40 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804303 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	BH10ES 0.75 - 0.75 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804319 TM048	04/03/2021	Agnieszka Chelmowska	Soil containing ACM debris	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	HP1ES 0.60 - 0.60 SOLID 19/02/2021 00:00:00 24/02/2021 05:00:00 210226-124 23804355 TM048	03/03/2021	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		**Site Location**	JHP Land, Tipner West
Mass Sample taken (kg)	0.111	**Natural Moisture Content (%)**	23.6
Mass of dry sample (kg)	0.090	**Dry Matter Content (%)**	80.9
Particle Size <4mm	>95%		

Case	
SDG	210226-124
Lab Sample Number(s)	23804303
Sampled Date	19-Feb-2021
Customer Sample Ref.	BH10 ESZ
Depth (m)	0.40 - 0.40

Eluate Analysis	**C_2** Concⁿ in 10:1 eluate (mg/l)		**A_2** 10:1 concⁿ leached (mg/kg)				
	Result	**Limit of Detection**	**Result**	**Limit of Detection**			
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Arsenic	0.000909	<0.0005	0.00909	<0.005	-	-	-
Barium	0.0039	<0.0002	0.039	<0.002	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Boron	<0.01	<0.01	<0.1	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Chromium	0.00163	<0.001	0.0163	<0.01	-	-	-
Copper	<0.0003	<0.0003	<0.003	<0.003	-	-	-
Lead	0.0153	<0.0002	0.153	<0.002	-	-	-
Nickel	<0.0004	<0.0004	<0.004	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Vanadium	0.00153	<0.001	0.0153	<0.01	-	-	-
Zinc	0.0021	<0.001	0.021	<0.01	-	-	-

Leach Test Information

Date Prepared	01-Mar-2021
pH (pH Units)	9.04
Conductivity (µS/cm)	81.30
Temperature (°C)	20.30
Volume Leachant (Litres)	0.879

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CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		**Site Location**	JHP Land, Tipner West
Mass Sample taken (kg)	0.109	**Natural Moisture Content (%)**	20.9
Mass of dry sample (kg)	0.090	**Dry Matter Content (%)**	82.7
Particle Size <4mm	>95%		

Case	
SDG	210226-124
Lab Sample Number(s)	23804334
Sampled Date	19-Feb-2021
Customer Sample Ref.	HP1 ESZ
Depth (m)	0.25 - 0.25

Eluate Analysis	**C_2** Conc^n in 10:1 eluate (mg/l)		**A_2** 10:1 conc^n leached (mg/kg)				
	Result	**Limit of Detection**	**Result**	**Limit of Detection**			
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Arsenic	0.000696	<0.0005	0.00696	<0.005	-	-	-
Barium	0.057	<0.0002	0.57	<0.002	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Boron	0.095	<0.01	0.95	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Chromium	0.0642	<0.001	0.642	<0.01	-	-	-
Copper	0.0121	<0.0003	0.121	<0.003	-	-	-
Lead	0.0015	<0.0002	0.015	<0.002	-	-	-
Nickel	0.000734	<0.0004	0.00734	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Vanadium	<0.001	<0.001	<0.01	<0.01	-	-	-
Zinc	0.00669	<0.001	0.0669	<0.01	-	-	-

Leach Test Information

Date Prepared	01-Mar-2021
pH (pH Units)	8.52
Conductivity (µS/cm)	189.00
Temperature (°C)	17.70
Volume Leachant (Litres)	0.882

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CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		**Site Location**	JHP Land, Tipner West
Mass Sample taken (kg)	0.104	**Natural Moisture Content (%)**	16.7
Mass of dry sample (kg)	0.090	**Dry Matter Content (%)**	85.7
Particle Size <4mm	>95%		

Case	
SDG	210226-124
Lab Sample Number(s)	23804368
Sampled Date	19-Feb-2021
Customer Sample Ref.	BH8 ESZ
Depth (m)	0.60 - 0.80

Eluate Analysis	**C_2** Conc^n in 10:1 eluate (mg/l)		**A_2** 10:1 conc^n leached (mg/kg)				
	Result	**Limit of Detection**	**Result**	**Limit of Detection**			
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Arsenic	0.00905	<0.0005	0.0905	<0.005	-	-	-
Barium	0.00444	<0.0002	0.0444	<0.002	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Boron	0.0193	<0.01	0.193	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Chromium	0.00105	<0.001	0.0105	<0.01	-	-	-
Copper	0.00427	<0.0003	0.0427	<0.003	-	-	-
Lead	0.00114	<0.0002	0.0114	<0.002	-	-	-
Nickel	<0.0004	<0.0004	<0.004	<0.004	-	-	-
Selenium	0.00122	<0.001	0.0122	<0.01	-	-	-
Vanadium	0.0163	<0.001	0.163	<0.01	-	-	-
Zinc	0.00151	<0.001	0.0151	<0.01	-	-	-

Leach Test Information

Date Prepared	01-Mar-2021
pH (pH Units)	9.18
Conductivity (µS/cm)	103.00
Temperature (°C)	16.80
Volume Leachant (Litres)	0.885

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Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
PM115		Leaching Procedure for CEN One Stage Leach Test 2:1 & 10:1 1 Step
SUB		Subcontracted Test
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material
TM062 (S)	National Grid Property Holdings Methods for the Collection & Analysis of Samples from National Grid Sites version 1 Sec 3.9	Determination of Phenols in Soils by HPLC
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) by Headspace GC-FID (C4-C12)
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM132	In - house Method	ELTRA CS800 Operators Guide
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM221	Inductively Coupled Plasma - Atomic Emission Spectroscopy. An Atlas of Spectral Information: Winge, Fassel, Peterson and Floyd	Determination of Acid extractable Sulphate in Soils by IRIS Emission Spectrometer
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer
TM414	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	23804179	23804518	23804531	23804241	23804368	23804259	23804281	23804303	23804319	23804385
Customer Sample Ref.	BH7	BH7	BH7	BH8	BH8	BH9	BH9	BH10	BH10	BH10
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Depth	3.00 - 3.80	0.15 - 0.15	1.10 - 1.10	0.30 - 0.45	0.60 - 0.80	0.35 - 0.35	0.75 - 0.75	0.40 - 0.40	0.75 - 0.75	3.00 - 3.30
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Ammonium Soil by Titration		03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021
Asbestos ID in Solid Samples		04-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	
Boron Water Soluble		03-Mar-2021	03-Mar-2021	06-Mar-2021	06-Mar-2021	04-Mar-2021	06-Mar-2021	06-Mar-2021	04-Mar-2021	04-Mar-2021
CEN 10:1 Leachate (1 Stage)					01-Mar-2021			01-Mar-2021		
CEN Readings					02-Mar-2021			03-Mar-2021		
Cyanide Comp/Free/Total/Thiocyanate		04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	02-Mar-2021	02-Mar-2021	04-Mar-2021	02-Mar-2021	04-Mar-2021
Dissolved Metals by ICP-MS					04-Mar-2021			04-Mar-2021		
EPH CWG GC (S)	02-Mar-2021	02-Mar-2021	02-Mar-2021	03-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	03-Mar-2021
GRO by GC-FID (S)	05-Mar-2021	05-Mar-2021	04-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	04-Mar-2021	05-Mar-2021
Hexavalent Chromium (s)		03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021
Mercury Dissolved					03-Mar-2021			04-Mar-2021		
Metals in solid samples by OES		04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	06-Mar-2021	04-Mar-2021	04-Mar-2021	05-Mar-2021	06-Mar-2021
Moisture at 105C					01-Mar-2021			01-Mar-2021		
Organotins on soils*		19-Mar-2021								
pH		02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	03-Mar-2021	02-Mar-2021	02-Mar-2021	01-Mar-2021
Phenols by HPLC (S)	03-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021
Sample description	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021
Semi Volatile Organic Compounds	03-Mar-2021	03-Mar-2021	04-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021	03-Mar-2021
Total Organic Carbon		03-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021
Total Sulphate		04-Mar-2021	04-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021
TPH CWG GC (S)	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021
VOC MS (S)	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021

Lab Sample No(s)	23804334	23804355
Customer Sample Ref.	HP1	HP1
AGS Ref.	ES	ES
Depth	0.25 - 0.25	0.60 - 0.60
Type	Soil/Solid (S)	Soil/Solid (S)
Ammonium Soil by Titration		03-Mar-2021
Asbestos ID in Solid Samples		03-Mar-2021
Boron Water Soluble		06-Mar-2021
CEN 10:1 Leachate (1 Stage)	01-Mar-2021	
CEN Readings	02-Mar-2021	
Cyanide Comp/Free/Total/Thiocyanate		04-Mar-2021
Dissolved Metals by ICP-MS	04-Mar-2021	
EPH CWG GC (S)		03-Mar-2021
GRO by GC-FID (S)		05-Mar-2021
Hexavalent Chromium (s)		03-Mar-2021
Mercury Dissolved	03-Mar-2021	
Metals in solid samples by OES		06-Mar-2021
Moisture at 105C	01-Mar-2021	
Organotins on soils*	19-Mar-2021	
pH		02-Mar-2021
Phenols by HPLC (S)		02-Mar-2021
Sample description	27-Feb-2021	27-Feb-2021
Semi Volatile Organic Compounds		03-Mar-2021
Total Organic Carbon		04-Mar-2021
Total Sulphate		03-Mar-2021
TPH CWG GC (S)		05-Mar-2021
VOC MS (S)		04-Mar-2021

ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 2380	QC 2379
Exchangeable Ammonium as NH4	TM024	**88.56** 76.20 : 110.13	**91.54** 76.20 : 110.13

Boron Water Soluble

Component	Method Code	QC 2391	QC 2337	QC 2388	QC 2394	QC 2300
Water Soluble Boron	TM222	**79.0** 84.00 : 111.00	**101.5** 84.00 : 111.00	**97.0** 84.00 : 111.00	**99.5** 84.00 : 111.00	**96.5** 84.00 : 111.00

Cyanide Comp/Free/Total/Thiocyanate

Component	Method Code	QC 2377	QC 2381	QC 2396
Free Cyanide	TM153	**97.92** 79.00 : 115.00	**100.99** 79.00 : 115.00	**102.97** 79.00 : 115.00
Thiocyanate	TM153	**3032.05** 94.09 : 113.89	**100.64** 94.09 : 113.89	**103.85** 94.09 : 113.89
Total Cyanide	TM153	**98.6** 73.07 : 107.47	**104.2** 73.07 : 107.47	**104.2** 73.07 : 107.47

Dissolved Metals by ICP-MS

Component	Method Code	QC 2397	QC 2328
Aluminium	TM152	**103.33** 90.98 : 111.82	**102.67** 90.98 : 111.82
Antimony	TM152	**105.0** 90.44 : 113.04	**101.33** 90.44 : 113.04
Arsenic	TM152	**103.5** 88.00 : 112.00	**101.33** 88.00 : 112.00
Barium	TM152	**97.67** 90.20 : 111.19	**102.83** 90.20 : 111.19
Beryllium	TM152	**103.67** 87.77 : 113.97	**104.83** 87.77 : 113.97
Bismuth	TM152	**103.0** 91.90 : 112.20	**99.5** 91.90 : 112.20
Borate	TM152	**103.7** 88.00 : 112.00	**103.7** 88.00 : 112.00
Boron	TM152	**103.67** 96.48 : 114.93	**103.33** 96.48 : 114.93
Cadmium	TM152	**103.33** 96.43 : 110.53	**102.67** 96.43 : 110.53
Calcium	TM152	**102.0** 81.38 : 119.09	**101.33** 81.38 : 119.09
Chromium	TM152	**102.33** 91.84 : 108.67	**101.17** 91.84 : 108.67
Cobalt	TM152	**103.0** 88.00 : 112.00	**102.67** 88.00 : 112.00

Dissolved Metals by ICP-MS

		QC 2397	QC 2328
Copper	TM152	**104.0** 92.47 : 118.11	**103.0** 92.47 : 118.11
Iron	TM152	**102.0** 92.00 : 113.00	**101.33** 92.00 : 113.00
Lead	TM152	**99.17** 88.00 : 112.00	**96.83** 88.00 : 112.00
Lithium	TM152	**102.67** 91.62 : 113.12	**104.0** 91.62 : 113.12
Magnesium	TM152	**98.0** 93.14 : 107.91	**98.0** 93.14 : 107.91
Manganese	TM152	**103.17** 95.03 : 110.58	**101.67** 95.03 : 110.58
Molybdenum	TM152	**101.5** 88.00 : 112.00	**99.0** 88.00 : 112.00
Nickel	TM152	**104.83** 88.00 : 112.00	**103.17** 88.00 : 112.00
Phosphorus	TM152	**100.5** 88.00 : 112.00	**101.0** 88.00 : 112.00
Potassium	TM152	**101.33** 93.90 : 112.36	**100.0** 93.90 : 112.36
Selenium	TM152	**105.67** 91.58 : 115.98	**100.67** 91.58 : 115.98
Silver	TM152	**102.83** 88.80 : 122.30	**95.33** 88.80 : 122.30
Sodium	TM152	**98.67** 94.28 : 110.71	**99.33** 94.28 : 110.71
Strontium	TM152	**104.67** 88.00 : 112.00	**102.67** 88.00 : 112.00
Tellurium	TM152	**101.17** 93.32 : 114.66	**100.5** 93.32 : 114.66
Thallium	TM152	**88.0** 88.00 : 112.00	**83.0** 88.00 : 112.00
Tin	TM152	**104.33** 92.63 : 109.70	**102.0** 92.63 : 109.70
Titanium	TM152	**102.0** 95.58 : 111.68	**104.5** 95.58 : 111.68
Tungsten	TM152	**101.83** 81.32 : 124.72	**99.0** 81.32 : 124.72
Uranium	TM152	**103.17** 88.00 : 112.00	**98.67** 88.00 : 112.00
Vanadium	TM152	**101.67** 88.00 : 112.00	**101.0** 88.00 : 112.00
Zinc	TM152	**103.33** 92.98 : 118.95	**102.0** 92.98 : 118.95

GRO by GC-FID (S)

Component	Method Code	QC 2345	QC 2345	QC 2370	QC 2346
QC	TM089	**84.3** 70.34 : 111.95	**75.89** 70.75 : 114.19	**79.31** 70.75 : 114.19	**81.43** 70.75 : 114.19

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Hexavalent Chromium (s)

Component	Method Code	QC 2312	QC 2325	QC 2361
Hexavalent Chromium	TM151	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20

Mercury Dissolved

Component	Method Code	QC 2340
Mercury Dissolved (CVAF)	TM183	**88.9** 69.30 : 128.70

Metals in solid samples by OES

Component	Method Code	QC 2354	QC 2334	QC 2377	QC 2393	QC 2315	QC 2371
Aluminium	TM181	**84.25** 77.46 : 123.98	**82.12** 73.56 : 108.85	**107.96** 77.46 : 123.98	**95.58** 77.46 : 123.98	**91.15** 77.46 : 123.98	**82.57** 77.46 : 123.98
Antimony	TM181	**89.84** 87.04 : 111.16	**91.46** 76.89 : 111.24	**115.85** 87.04 : 111.16	**100.0** 87.04 : 111.16	**92.68** 87.04 : 111.16	**100.41** 87.04 : 111.16
Arsenic	TM181	**92.15** 87.34 : 110.87	**100.87** 88.53 : 111.01	**113.08** 87.34 : 110.87	**105.52** 87.34 : 110.87	**99.71** 87.34 : 110.87	**102.91** 87.34 : 110.87
Barium	TM181	**91.19** 80.73 : 115.16	**84.22** 77.67 : 105.35	**111.01** 80.73 : 115.16	**92.66** 80.73 : 115.16	**94.5** 80.73 : 115.16	**94.5** 80.73 : 115.16
Beryllium	TM181	**93.66** 89.47 : 112.97	**88.81** 85.44 : 109.61	**111.57** 89.47 : 112.97	**101.87** 89.47 : 112.97	**99.63** 89.47 : 112.97	**104.48** 89.47 : 112.97
Boron	TM181	**82.23** 76.57 : 104.15	**85.1** 73.51 : 104.66	**96.28** 76.57 : 104.15	**90.83** 76.57 : 104.15	**87.68** 76.57 : 104.15	**79.66** 76.57 : 104.15
Cadmium	TM181	**81.89** 78.94 : 102.43	**84.77** 77.67 : 104.12	**101.65** 78.94 : 102.43	**91.77** 78.94 : 102.43	**87.65** 78.94 : 102.43	**89.3** 78.94 : 102.43
Chromium	TM181	**84.99** 77.55 : 104.47	**81.95** 77.55 : 104.47	**99.19** 77.55 : 104.47	**87.63** 77.55 : 104.47	**89.25** 77.55 : 104.47	**86.21** 77.55 : 104.47
Cobalt	TM181	**83.33** 82.95 : 107.41	**86.79** 84.60 : 104.13	**101.57** 82.95 : 107.41	**97.17** 82.95 : 107.41	**93.71** 82.95 : 107.41	**92.77** 82.95 : 107.41
Copper	TM181	**88.2** 84.36 : 106.14	**83.45** 82.40 : 105.45	**107.04** 84.36 : 106.14	**97.36** 84.36 : 106.14	**92.43** 84.36 : 106.14	**92.08** 84.36 : 106.14
Iron	TM181	**89.68** 81.43 : 115.79	**88.89** 82.95 : 110.58	**109.52** 81.43 : 115.79	**95.24** 81.43 : 115.79	**93.65** 81.43 : 115.79	**95.24** 81.43 : 115.79
Lead	TM181	**85.14** 81.95 : 107.63	**93.02** 78.24 : 104.05	**100.9** 81.95 : 107.63	**96.4** 81.95 : 107.63	**94.37** 81.95 : 107.63	**92.79** 81.95 : 107.63
Manganese	TM181	**106.11** 94.29 : 119.51	**101.11** 94.29 : 119.51	**121.39** 94.29 : 119.51	**106.94** 94.29 : 119.51	**104.72** 94.29 : 119.51	**114.17** 94.29 : 119.51
Mercury	TM181	**89.61** 82.73 : 106.36	**90.1** 83.16 : 107.81	**108.21** 82.73 : 106.36	**103.38** 82.73 : 106.36	**99.03** 82.73 : 106.36	**98.31** 82.73 : 106.36
Molybdenum	TM181	**90.12** 86.61 : 111.07	**94.65** 87.11 : 106.87	**110.7** 86.61 : 111.07	**105.76** 86.61 : 111.07	**99.18** 86.61 : 111.07	**101.23** 86.61 : 111.07
Nickel	TM181	**82.89** 79.72 : 103.80	**86.55** 80.26 : 102.28	**100.0** 79.72 : 103.80	**96.33** 79.72 : 103.80	**93.4** 79.72 : 103.80	**91.93** 79.72 : 103.80
Phosphorus	TM181	**110.71** 92.65 : 125.47	**105.66** 94.56 : 124.28	**115.76** 92.65 : 125.47	**115.76** 92.65 : 125.47	**109.9** 92.65 : 125.47	**111.52** 92.65 : 125.47

Metals in solid samples by OES

		QC 2354	QC 2334	QC 2377	QC 2393	QC 2315	QC 2371
Selenium	TM181	**94.12** 88.36 : 111.25	**90.98** 82.28 : 110.48	**112.16** 88.36 : 111.25	**105.49** 88.36 : 111.25	**100.39** 88.36 : 111.25	**102.35** 88.36 : 111.25
Strontium	TM181	**84.86** 78.06 : 99.91	**83.74** 79.13 : 102.79	**105.79** 78.06 : 99.91	**91.31** 78.06 : 99.91	**88.42** 78.06 : 99.91	**91.31** 78.06 : 99.91
Thallium	TM181	**93.81** 88.60 : 116.73	**87.61** 82.94 : 111.86	**111.5** 88.60 : 116.73	**107.08** 88.60 : 116.73	**101.77** 88.60 : 116.73	**101.33** 88.60 : 116.73
Tin	TM181	**90.49** 89.77 : 112.62	**90.87** 86.72 : 110.03	**112.17** 89.77 : 112.62	**103.04** 89.77 : 112.62	**96.2** 89.77 : 112.62	**98.86** 89.77 : 112.62
Titanium	TM181	**72.6** 66.29 : 105.96	**80.92** 66.23 : 102.06	**80.92** 66.29 : 105.96	**74.05** 66.29 : 105.96	**71.68** 66.29 : 105.96	**68.4** 66.29 : 105.96
Vanadium	TM181	**86.45** 75.51 : 108.87	**90.11** 75.51 : 108.87	**108.42** 75.51 : 108.87	**91.58** 75.51 : 108.87	**88.28** 75.51 : 108.87	**94.51** 75.51 : 108.87
Zinc	TM181	**92.2** 84.02 : 111.24	**90.55** 84.68 : 113.99	**109.45** 84.02 : 111.24	**103.9** 84.02 : 111.24	**100.0** 84.02 : 111.24	**98.97** 84.02 : 111.24

pH

Component	Method Code	QC 2329	QC 2324	QC 2362	QC 2370	QC 2375	QC 2399
pH	TM133	**99.87** 98.71 : 102.32	**99.74** 98.71 : 102.32	**100.53** 98.71 : 102.32	**99.21** 97.97 : 101.10	**100.13** 97.97 : 101.10	**100.4** 97.97 : 101.10

Phenols by HPLC (S)

Component	Method Code	QC 2374	QC 2376	QC 2383	QC 2388
2.3.5 Trimethyl-Phenol by HPLC (S)	TM062 (S)	**52.6** 68.54 : 123.77	**52.6** 68.54 : 123.77	**49.35** 70.71 : 116.42	**49.35** 70.71 : 116.42
2-Isopropyl Phenol by HPLC (S)	TM062 (S)	**45.61** 68.54 : 123.77	**47.37** 68.54 : 123.77	**44.44** 64.54 : 117.79	**43.86** 64.54 : 117.79
Catechol by HPLC (S)	TM062 (S)	**16.19** 19.39 : 135.70	**12.38** 19.39 : 135.70	**11.43** 22.43 : 157.02	**15.24** 22.43 : 157.02
Cresols by HPLC (S)	TM062 (S)	**44.68** 77.98 : 111.41	**45.72** 77.98 : 111.41	**47.18** 74.40 : 108.98	**46.97** 74.40 : 108.98
Napthol by HPLC (S)	TM062 (S)	**31.43** 57.50 : 102.50	**35.71** 57.50 : 102.50	**30.71** 47.22 : 132.72	**30.71** 47.22 : 132.72
Phenol by HPLC (S)	TM062 (S)	**49.01** 68.24 : 117.99	**50.33** 68.24 : 117.99	**50.99** 69.44 : 122.18	**50.99** 69.44 : 122.18
Resorcinol HPLC (S)	TM062 (S)	**47.17** 69.99 : 127.22	**49.06** 69.99 : 127.22	**51.57** 71.43 : 129.59	**54.09** 71.43 : 129.59
Xylenols by HPLC (S)	TM062 (S)	**48.33** 88.23 : 104.42	**49.17** 88.23 : 104.42	**46.87** 76.56 : 106.38	**46.67** 76.56 : 106.38

Semi Volatile Organic Compounds

Component	Method Code	QC 2385	QC 2331	QC 2301
4-Bromophenylphenylether (Soil)	TM157	**88.5** 66.75 : 125.25	**100.5** 66.75 : 125.25	**93.5** 63.50 : 114.50
Benzo(a)anthracene (Soil)	TM157	**105.0** 67.40 : 120.50	**119.5** 67.40 : 120.50	**96.0** 71.89 : 120.91
Hexachlorobutadiene (Soil)	TM157	**109.5** 68.25 : 126.75	**111.5** 68.25 : 126.75	**93.0** 69.80 : 117.77
Naphthalene (Soil)	TM157	**103.5** 67.55 : 125.45	**107.5** 67.55 : 125.45	**93.5** 70.00 : 115.00

Semi Volatile Organic Compounds

		QC 2385	QC 2331	QC 2301
Nitrobenzene (Soil)	TM157	**90.5** 66.50 : 123.50	**101.0** 66.50 : 123.50	**91.0** 70.00 : 118.00
Phenol (Soil)	TM157	**97.0** 69.92 : 114.02	**105.0** 69.92 : 114.02	**85.0** 72.00 : 117.00

Total Organic Carbon

Component	Method Code	QC 2314	QC 2325	QC 2364	QC 2392
Total Organic Carbon	TM132	**100.78** 87.02 : 113.45	**98.05** 87.02 : 113.45	**100.39** 87.02 : 113.45	**94.53** 87.02 : 113.45

Total Sulphate

Component	Method Code	QC 2342	QC 2369	QC 2322	QC 2393
Total Sulphate	TM221	**108.33** 70.62 : 121.50	**96.21** 70.62 : 121.50	**96.97** 70.62 : 121.50	**96.97** 70.62 : 121.50

VOC MS (S)

Component	Method Code	QC 2305	QC 2364	QC 2348
1,1,1,2-tetrachloroethane	TM116	**112.4** 79.10 : 119.66	**94.0** 84.84 : 116.25	**108.6** 79.10 : 119.66
1,1,1-Trichloroethane	TM116	**104.2** 84.25 : 112.57	**98.2** 73.73 : 118.05	**99.0** 84.25 : 112.57
1,1,2-Trichloroethane	TM116	**92.8** 81.29 : 113.79	**96.8** 77.12 : 116.04	**91.0** 81.29 : 113.79
1,1-Dichloroethane	TM116	**106.8** 86.77 : 122.11	**114.4** 74.46 : 129.15	**103.0** 86.77 : 122.11
1,2-Dichloroethane	TM116	**113.8** 90.04 : 132.28	**108.8** 92.38 : 131.65	**110.6** 90.04 : 132.28
1,4-Dichlorobenzene	TM116	**116.4** 80.81 : 125.07	**112.0** 83.64 : 126.18	**110.6** 80.81 : 125.07
2-Chlorotoluene	TM116	**95.0** 73.13 : 114.13	**110.2** 76.03 : 113.25	**94.0** 73.13 : 114.13
4-Chlorotoluene	TM116	**89.4** 68.66 : 109.13	**102.8** 66.90 : 112.46	**95.0** 68.66 : 109.13
Benzene	TM116	**99.0** 84.29 : 112.22	**105.2** 88.60 : 113.80	**95.6** 84.29 : 112.22
Carbon Disulphide	TM116	**91.4** 75.11 : 124.81	**107.8** 74.91 : 122.14	**89.4** 75.11 : 124.81
Carbontetrachloride	TM116	**115.2** 82.35 : 126.46	**97.8** 80.31 : 124.50	**115.4** 82.35 : 126.46
Chlorobenzene	TM116	**105.2** 82.88 : 122.42	**100.8** 83.81 : 114.18	**103.0** 82.88 : 122.42
Chloroform	TM116	**108.2** 90.35 : 120.38	**112.0** 87.40 : 122.49	**104.4** 90.35 : 120.38
Chloromethane	TM116	**100.6** 65.80 : 138.88	**108.2** 65.89 : 136.93	**98.6** 65.80 : 138.88

VOC MS (S)

		QC 2305	QC 2364	QC 2348
Cis-1,2-Dichloroethene	TM116	**100.8** 78.27 : 128.90	**108.4** 80.67 : 126.72	**96.0** 78.27 : 128.90
Dibromomethane	TM116	**108.8** 76.00 : 120.73	**93.8** 73.23 : 118.35	**103.4** 76.00 : 120.73
Dichloromethane	TM116	**110.6** 92.27 : 134.36	**122.2** 81.11 : 133.25	**107.6** 92.27 : 134.36
Ethylbenzene	TM116	**90.8** 70.95 : 113.07	**94.4** 75.92 : 110.41	**90.8** 70.95 : 113.07
Hexachlorobutadiene	TM116	**72.0** 14.55 : 147.92	**95.0** 12.82 : 152.73	**76.6** 14.55 : 147.92
Isopropylbenzene	TM116	**70.4** 52.00 : 108.19	**93.6** 55.79 : 97.59	**76.0** 52.00 : 108.19
Naphthalene	TM116	**111.6** 80.29 : 135.77	**112.8** 80.86 : 128.81	**115.2** 80.29 : 135.77
o-Xylene	TM116	**83.8** 64.92 : 98.85	**89.0** 69.99 : 108.74	**84.4** 64.92 : 98.85
p/m-Xylene	TM116	**85.1** 72.04 : 104.04	**91.1** 68.32 : 108.91	**85.5** 72.04 : 104.04
Sec-Butylbenzene	TM116	**69.2** 27.03 : 135.73	**95.4** 38.50 : 101.50	**79.0** 27.03 : 135.73
Tetrachloroethene	TM116	**109.8** 81.43 : 126.65	**102.6** 76.95 : 121.02	**112.2** 81.43 : 126.65
Toluene	TM116	**89.0** 82.44 : 103.50	**93.4** 74.24 : 107.42	**86.2** 82.44 : 103.50
Trichloroethene	TM116	**95.8** 79.80 : 112.33	**98.2** 85.28 : 109.36	**94.2** 79.80 : 112.33
Trichlorofluoromethane	TM116	**112.2** 89.67 : 132.09	**109.2** 84.55 : 133.27	**111.6** 89.67 : 132.09
Vinyl Chloride	TM116	**102.6** 69.66 : 136.55	**115.0** 68.02 : 143.37	**101.6** 69.66 : 136.55

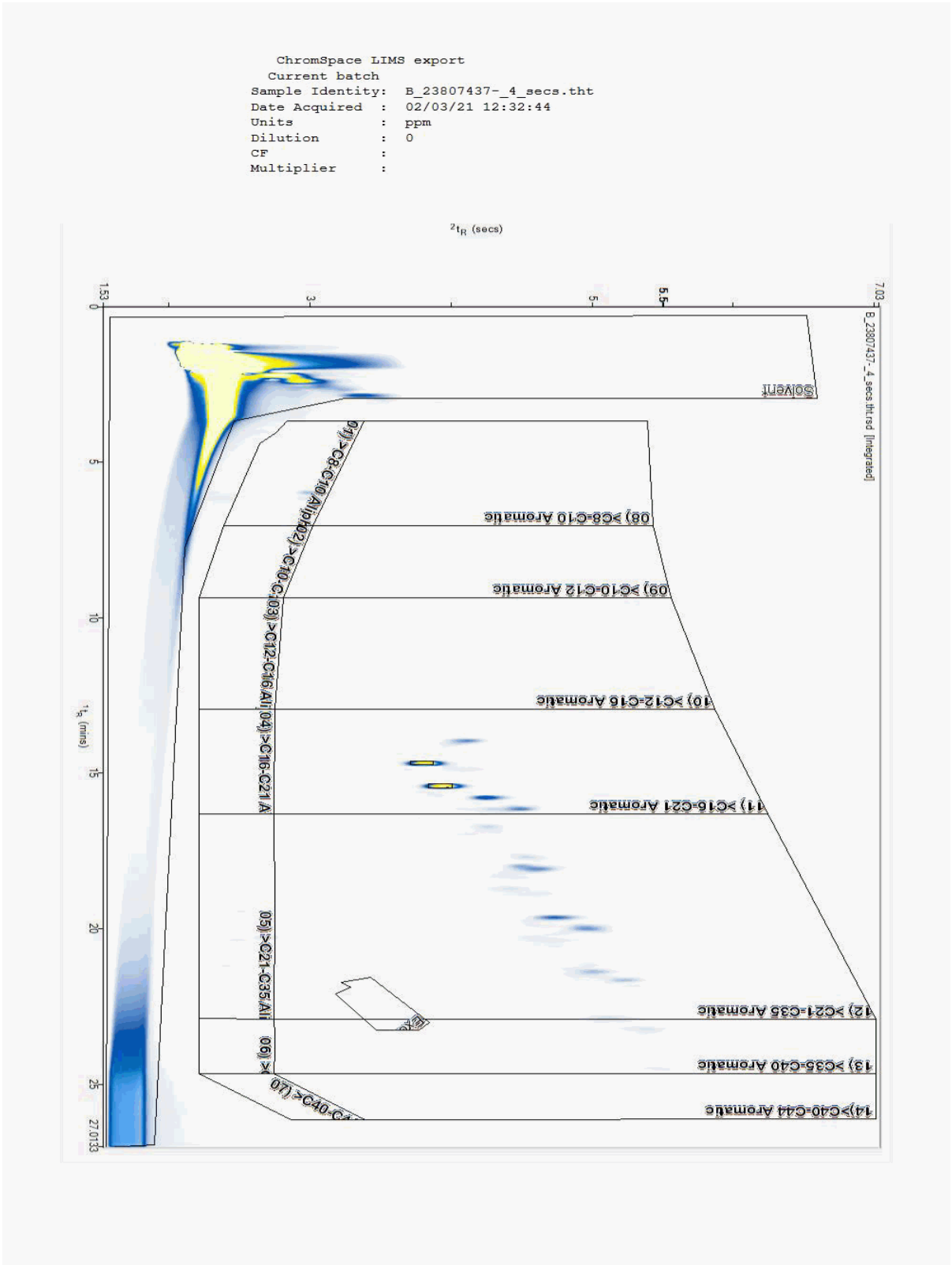
The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807437 **Depth :** 0.75 - 0.75
Sample ID : BH10

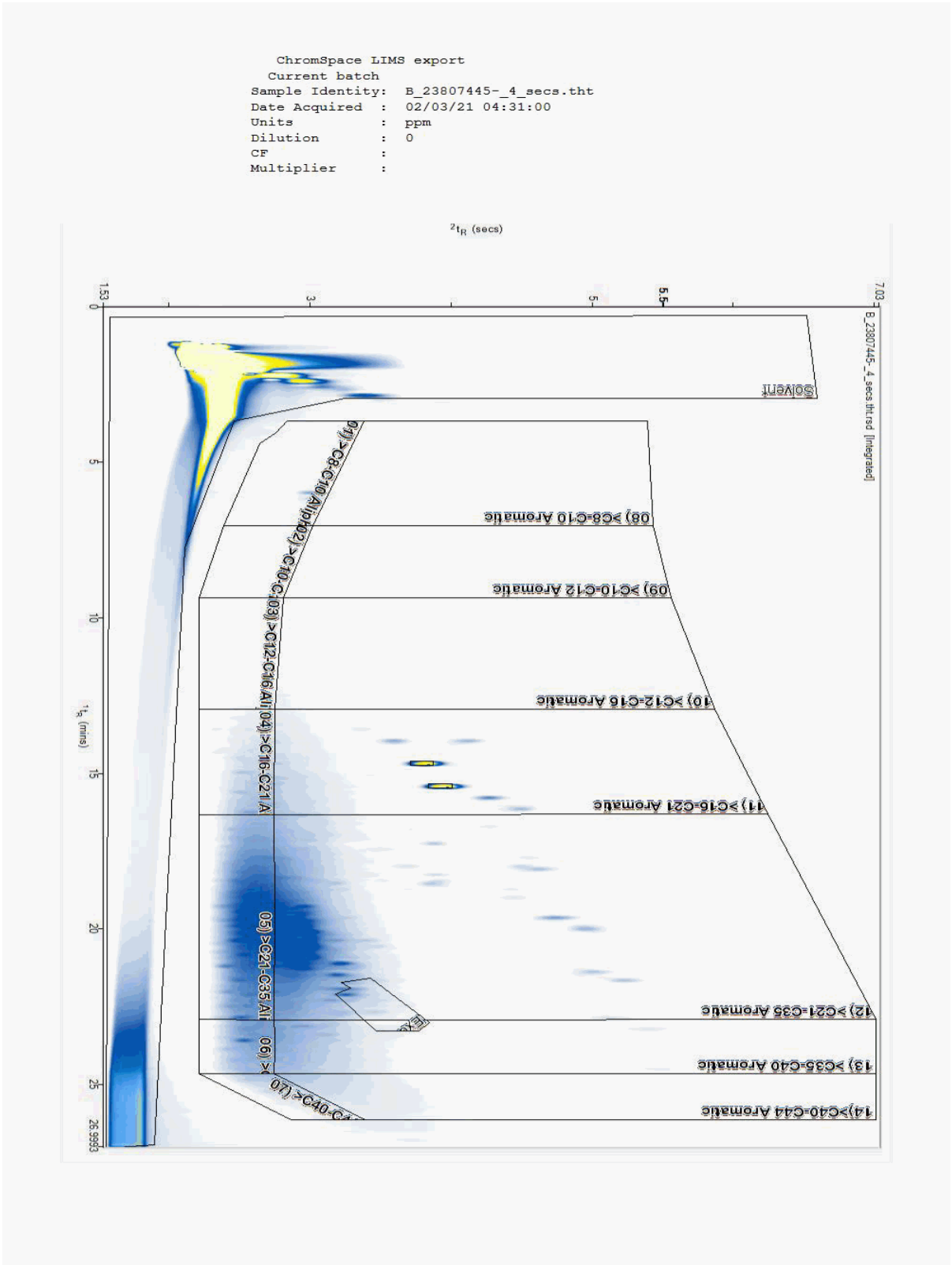


CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807445 **Depth :** 0.15 - 0.15
Sample ID : BH7

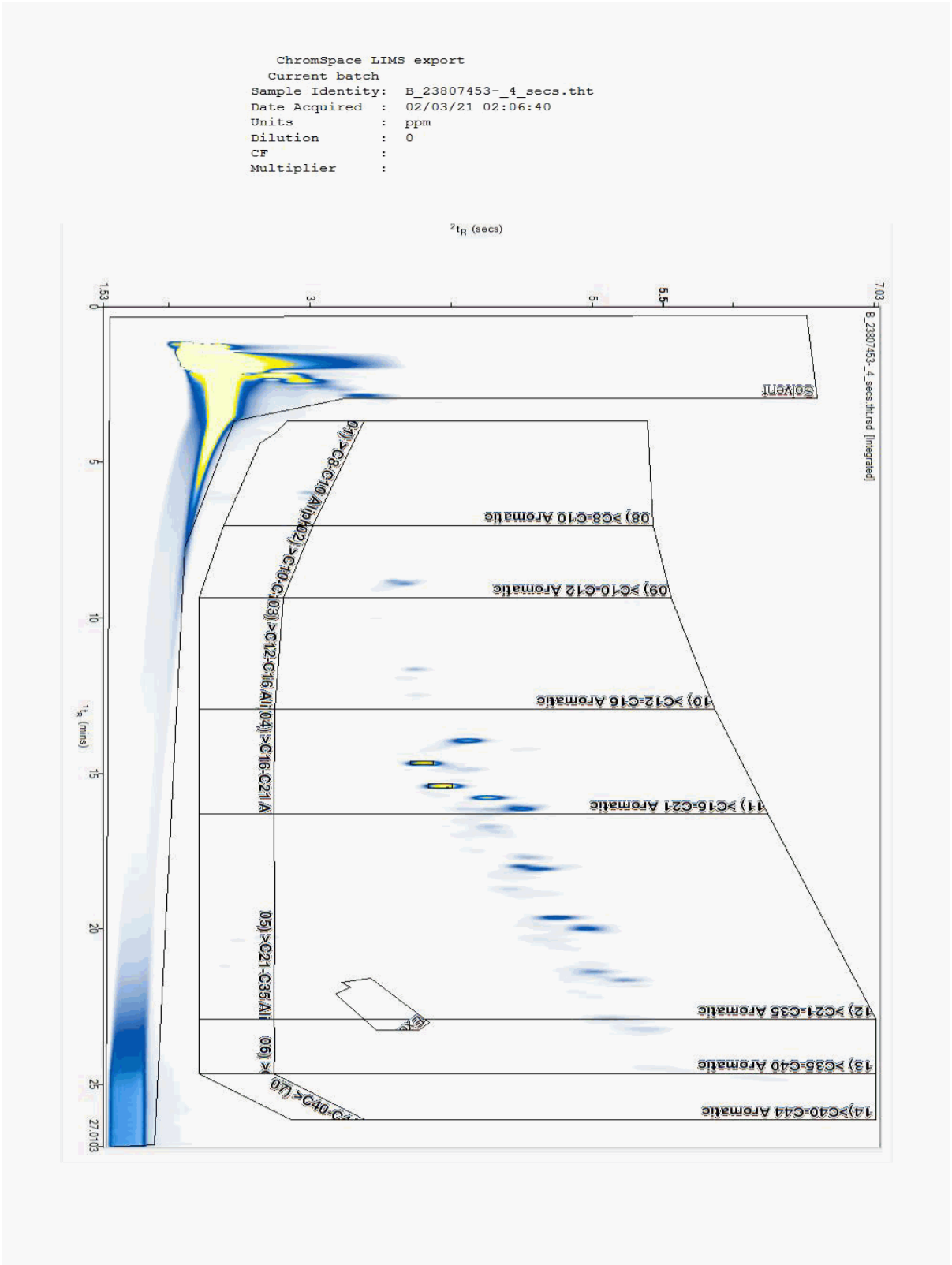


CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807453 **Depth :** 0.40 - 0.40
Sample ID : BH10

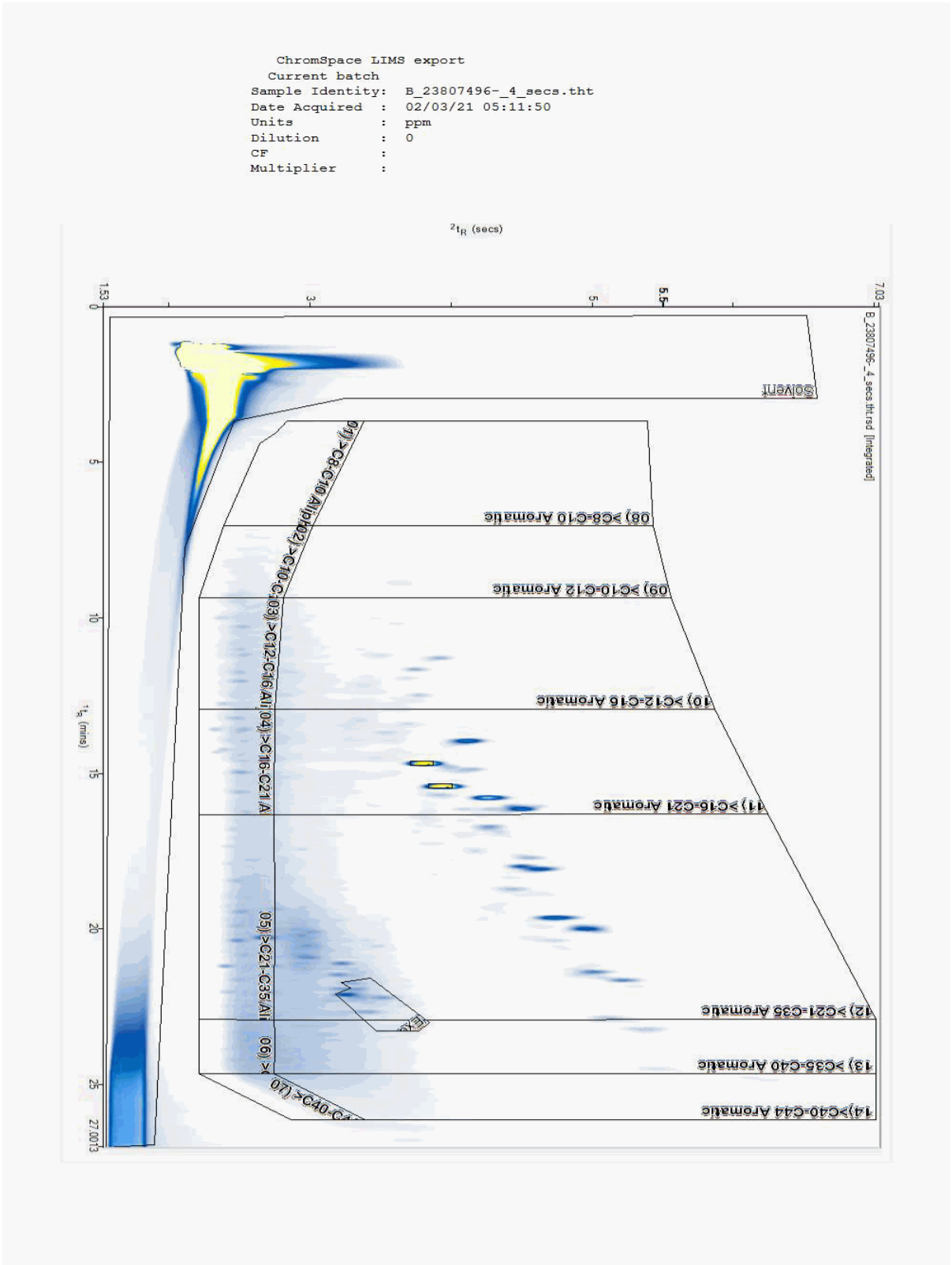


CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807496 **Depth :** 1.10 - 1.10
Sample ID : BH7



CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807582 **Depth :** 0.35 - 0.35
Sample ID : BH9

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  ChromSpace LIMS export
 Current batch
Sample Identity:  B_23807582-_4_secs.tht
Date Acquired   :  01/03/21 10:58:46
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
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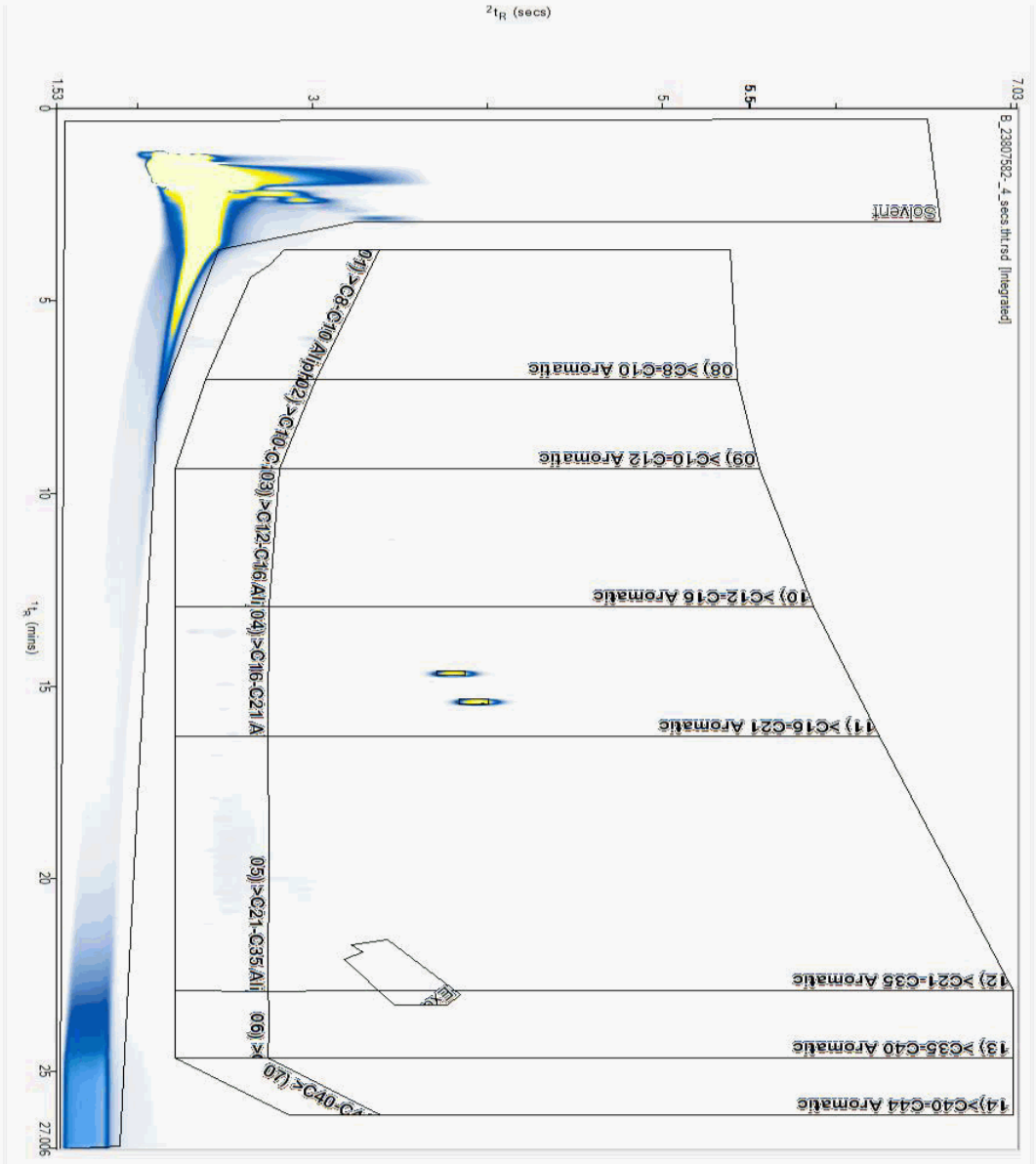


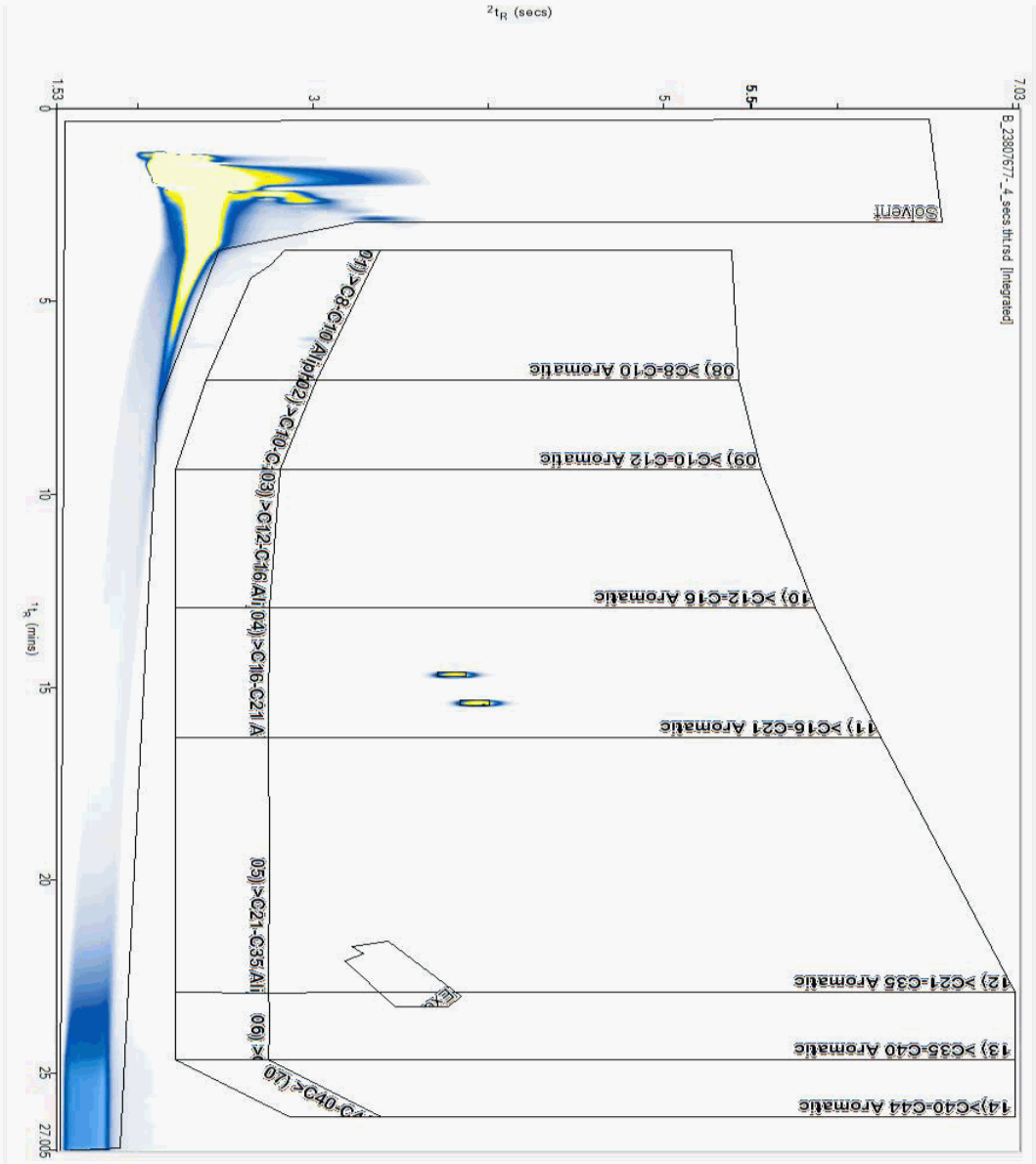
CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807677 **Depth :** 0.75 - 0.75
Sample ID : BH9

ChromSpace LIMS export
Current batch
Sample Identity: B_23807677-_4_secs.tht
Date Acquired : 01/03/21 09:56:05
Units : ppm
Dilution : 0
CF :
Multiplier :

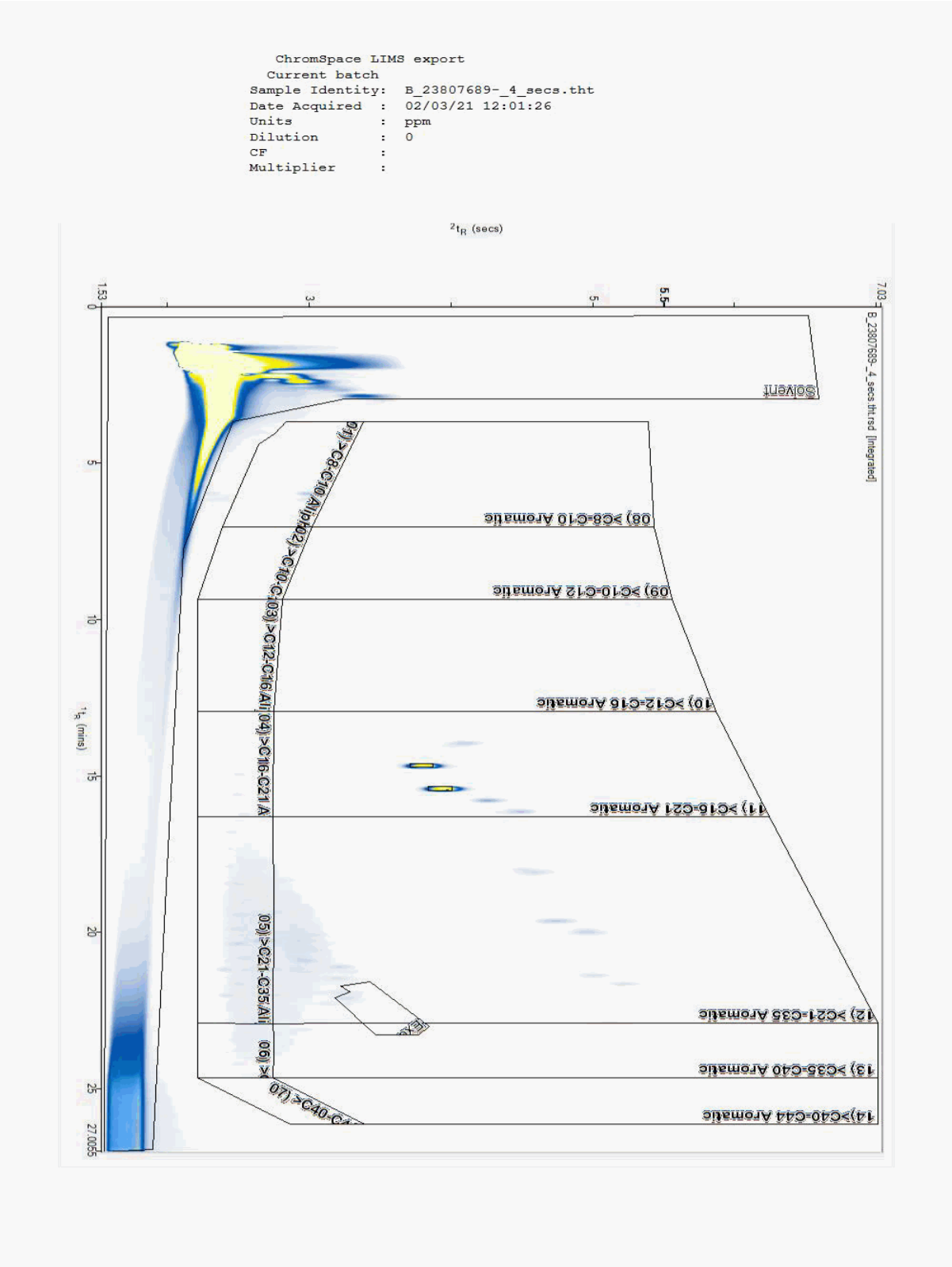


CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807689 **Depth :** 0.60 - 0.80
Sample ID : BH8

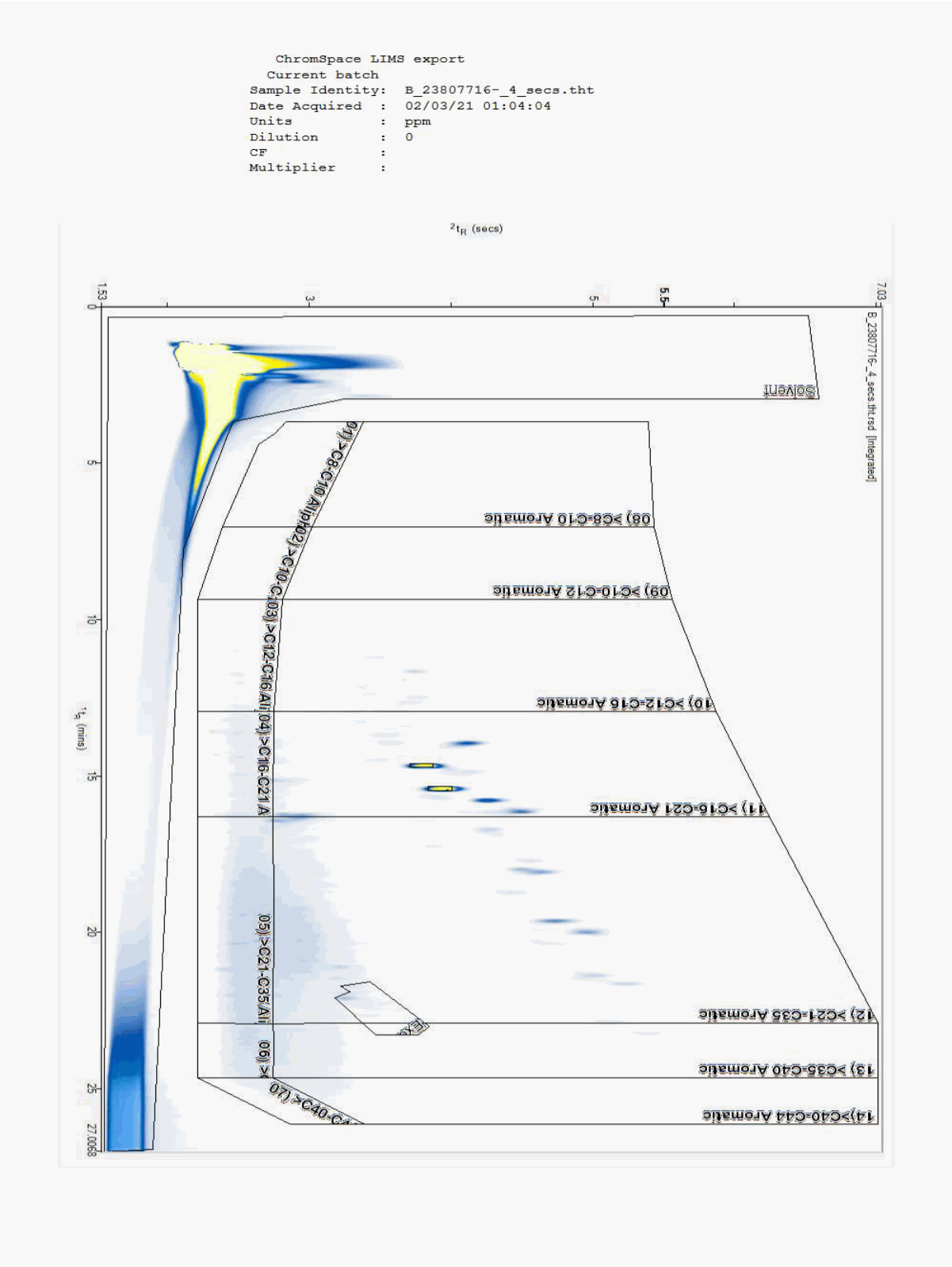


CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807716 **Depth :** 3.00 - 3.80
Sample ID : BH7



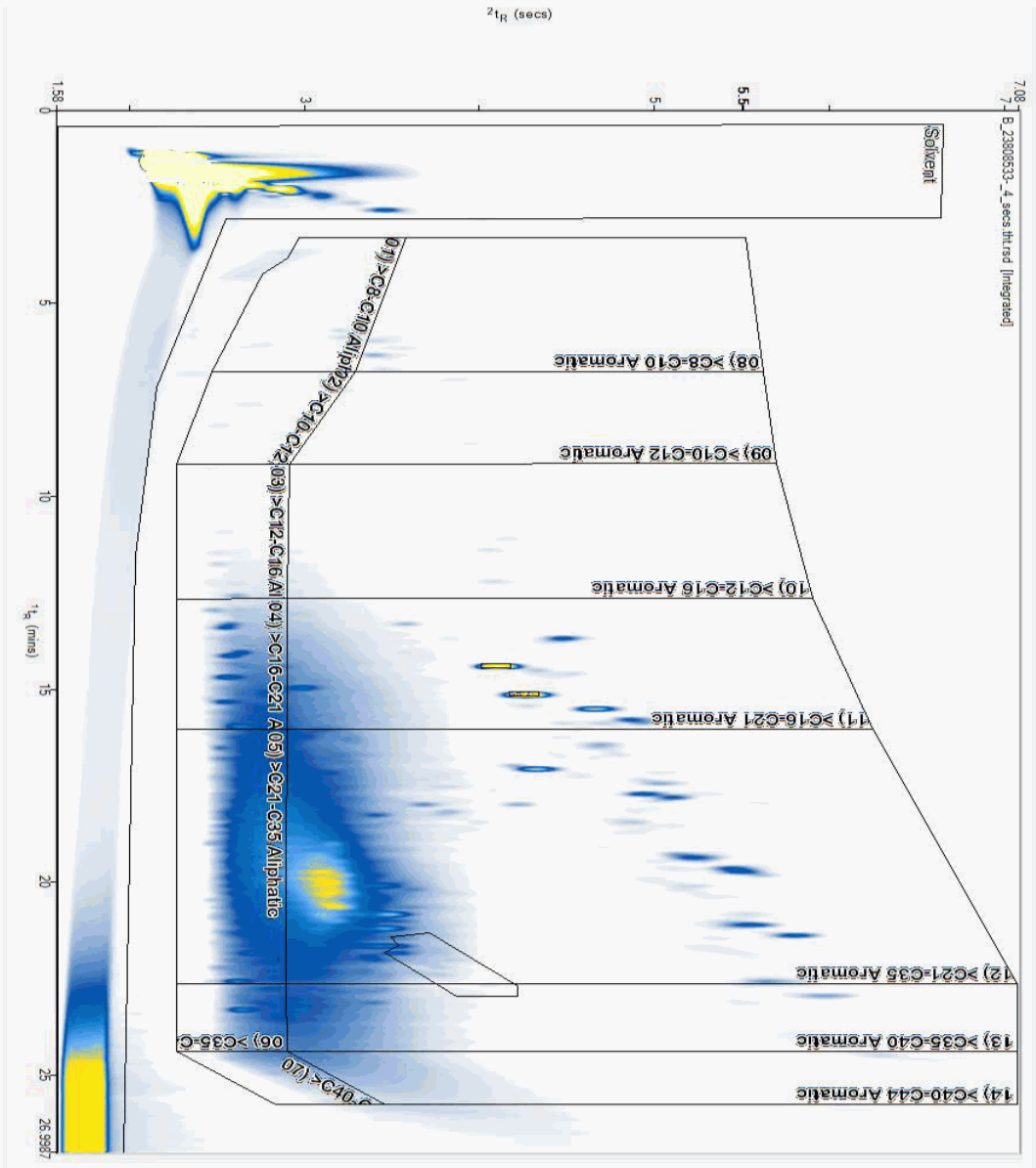
CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808533 **Depth :** 0.60 - 0.60
Sample ID : HP1

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  B_23808533-_4_secs.tht
Date Acquired   :  03/03/21 12:02:56
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



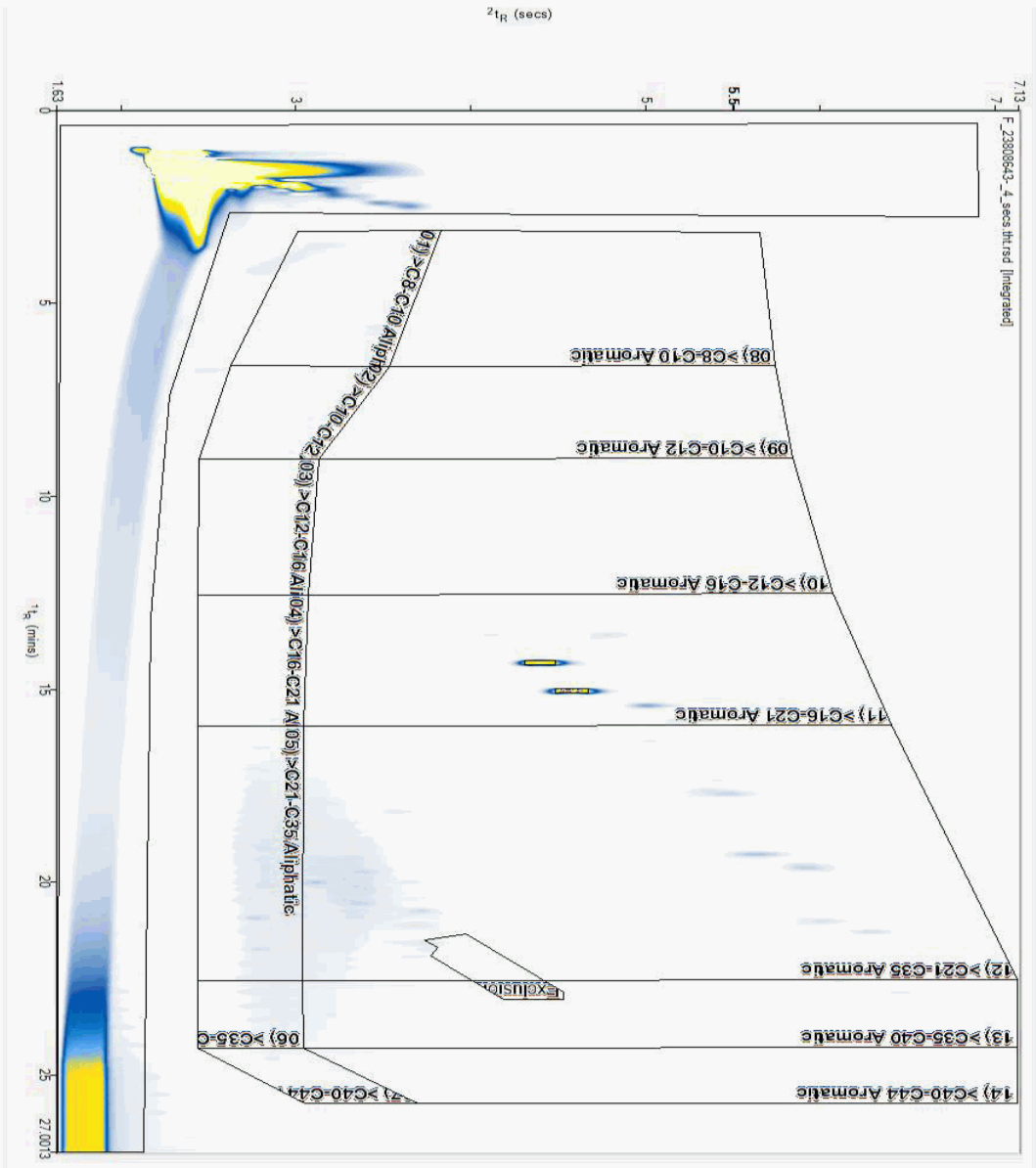
CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808643 **Depth :** 0.30 - 0.45
Sample ID : BH8

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  F_23808643-_4_secs.tht
Date Acquired   :  02/03/21 10:43:33
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



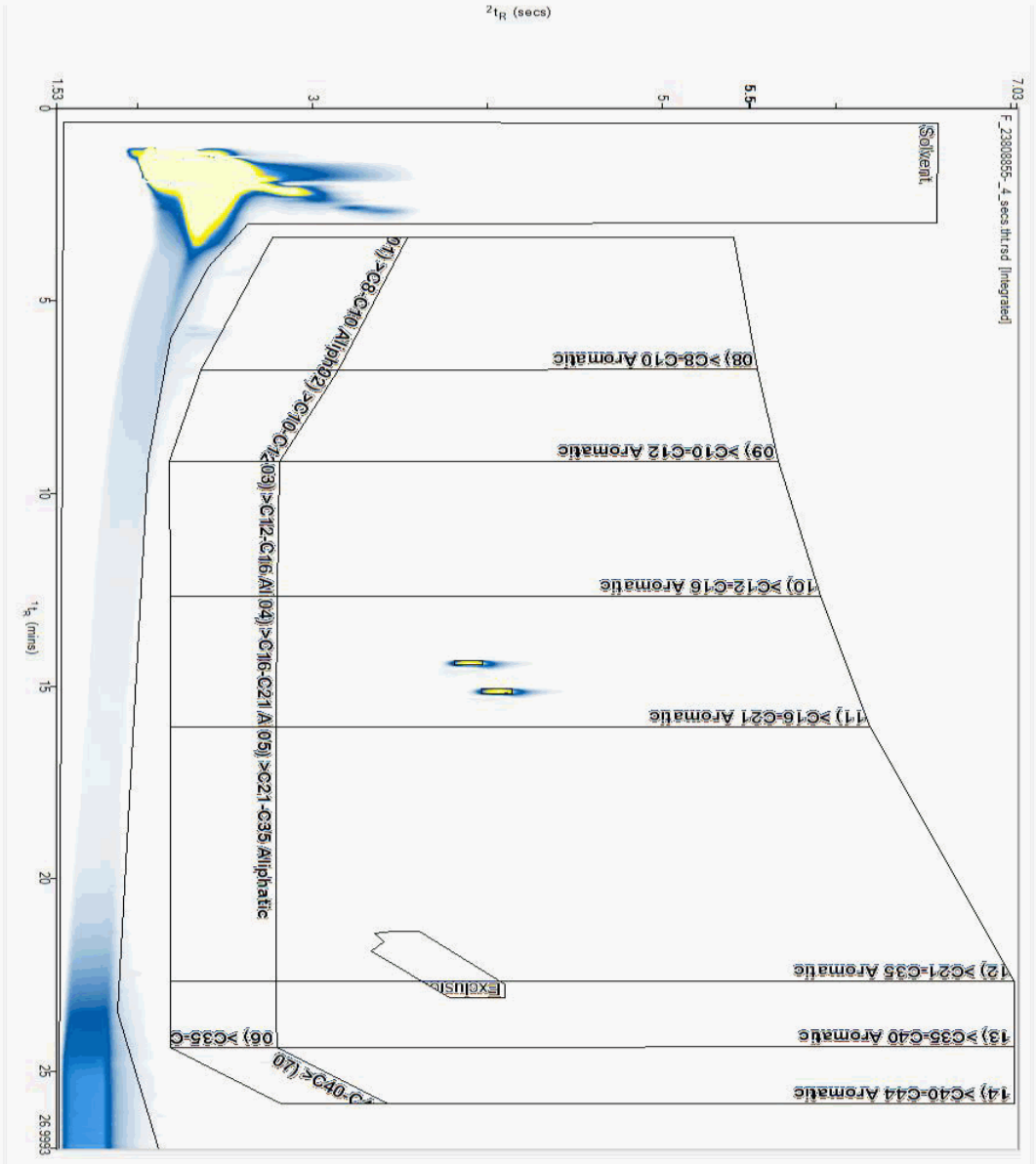
CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808855 **Depth :** 3.00 - 3.30
Sample ID : BH10

```
  ChromSpace LIMS export
 Current batch
Sample Identity:  F_23808855-_4_secs.tht
Date Acquired   :  02/03/21 06:48:46
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



CERTIFICATE OF ANALYSIS

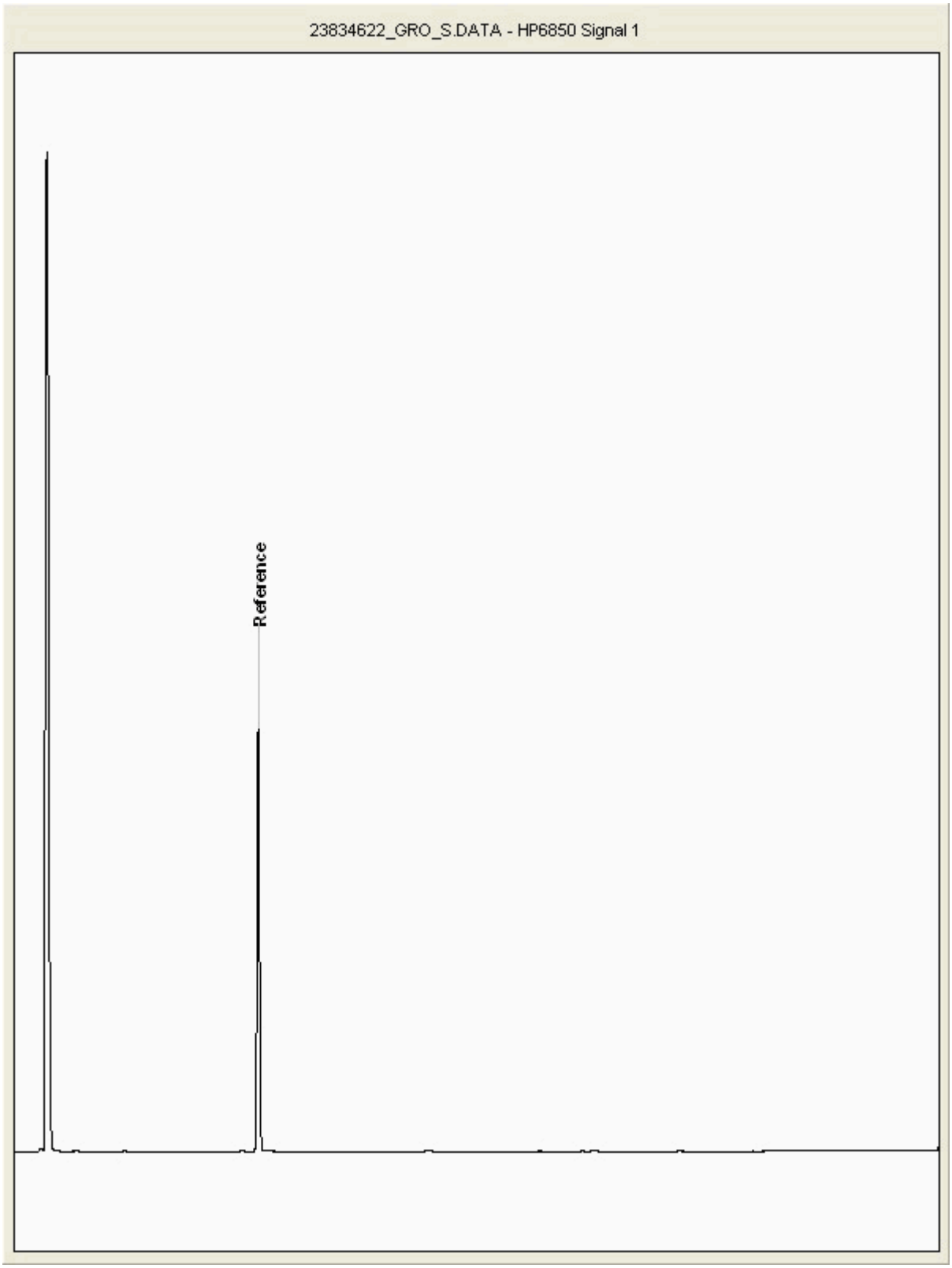
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23834622
Sample ID : BH10

Depth : 0.75 - 0.75



CERTIFICATE OF ANALYSIS

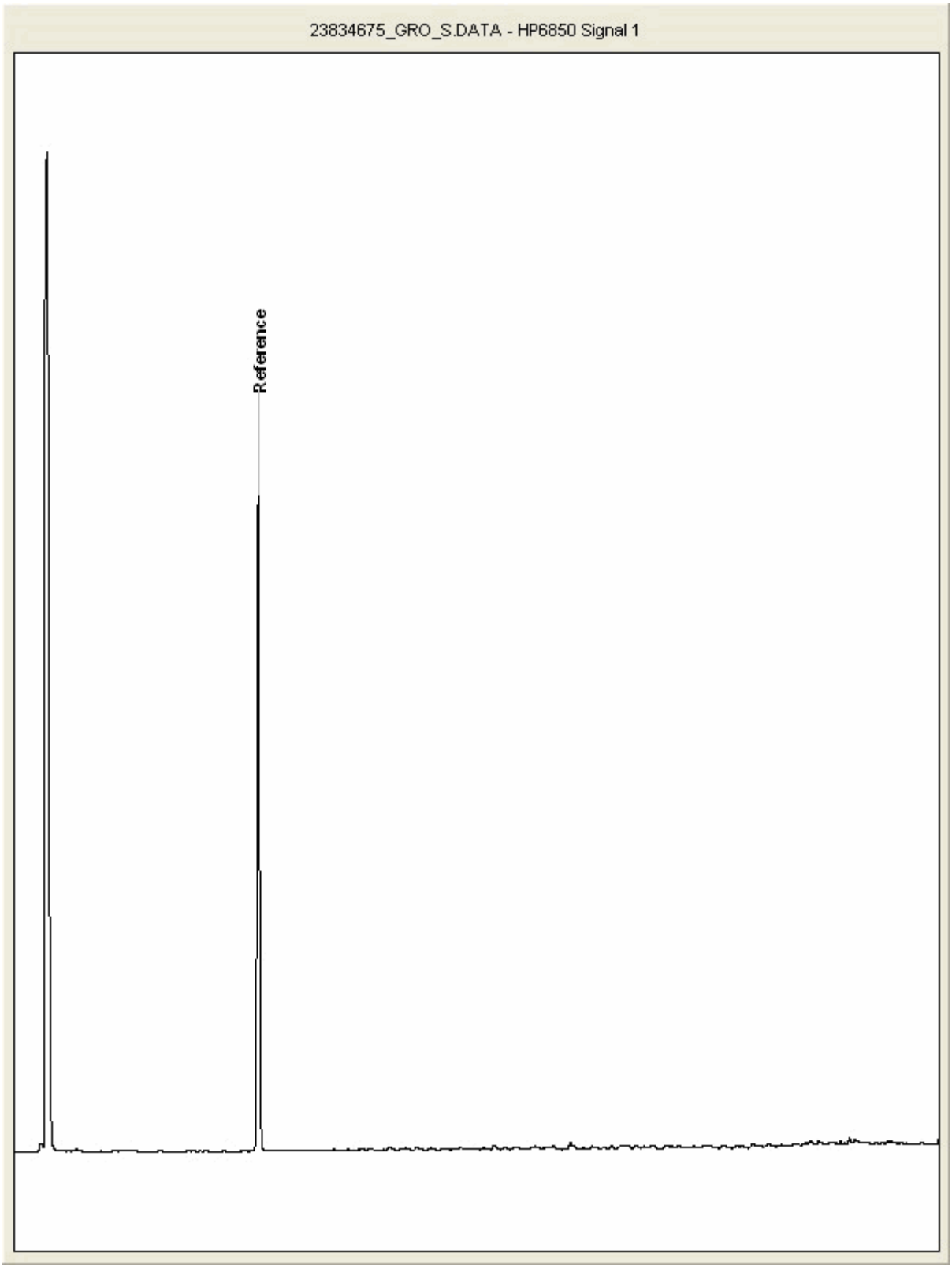
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23834675
Sample ID : BH7

Depth : 1.10 - 1.10



CERTIFICATE OF ANALYSIS

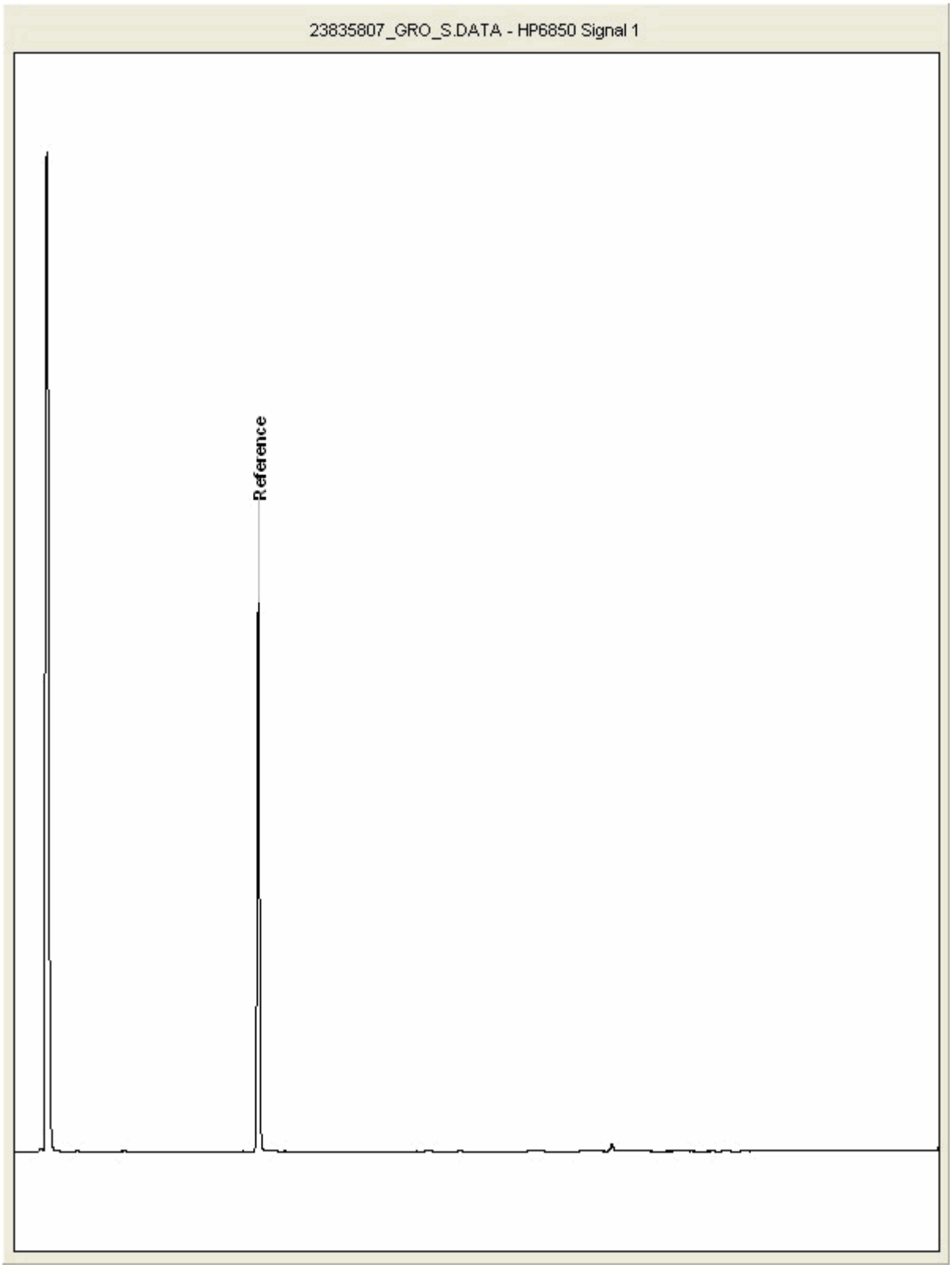
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23835807
Sample ID : BH10

Depth : 0.40 - 0.40



CERTIFICATE OF ANALYSIS

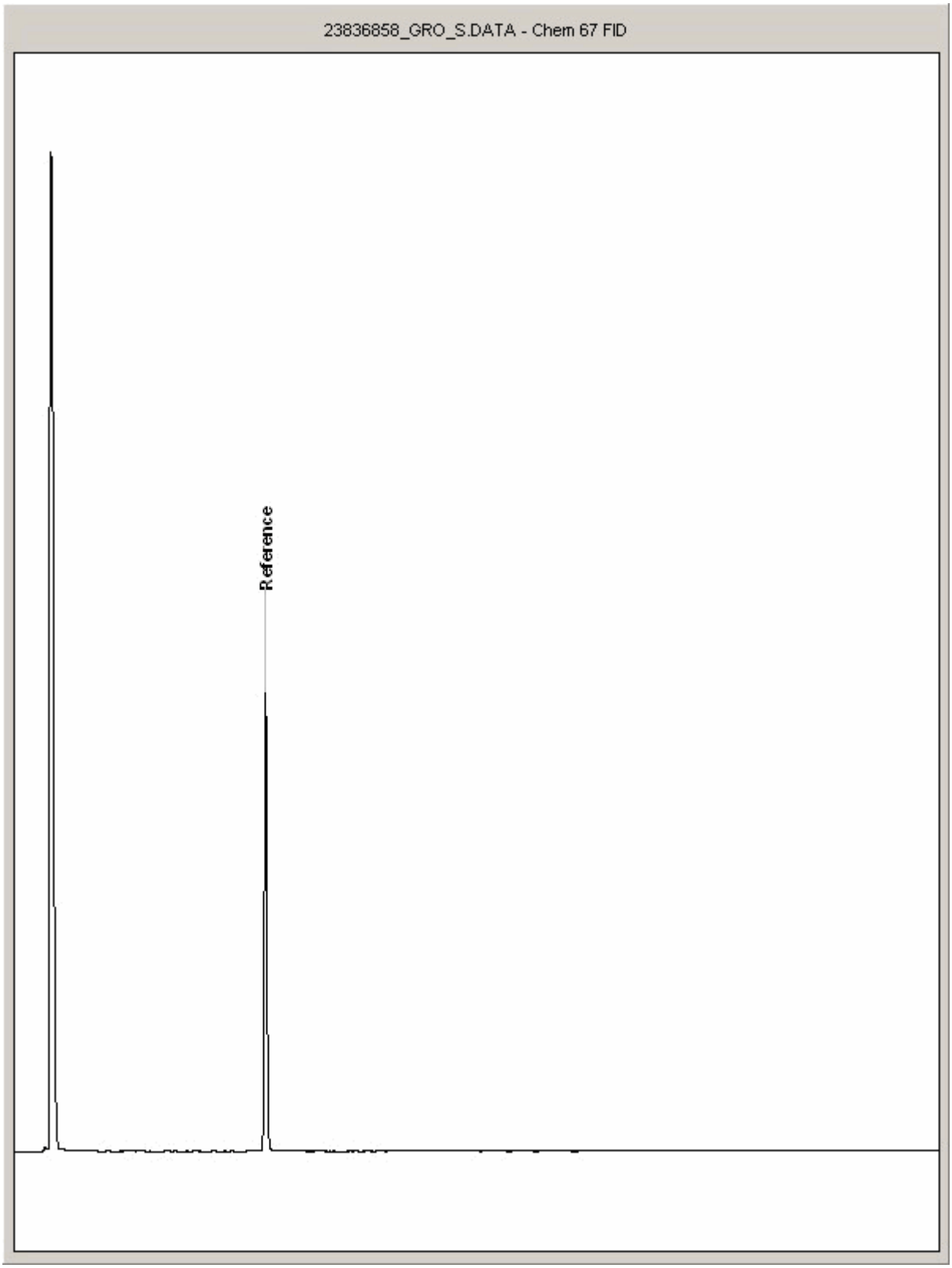
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23836858
Sample ID : BH9

Depth : 0.35 - 0.35



CERTIFICATE OF ANALYSIS

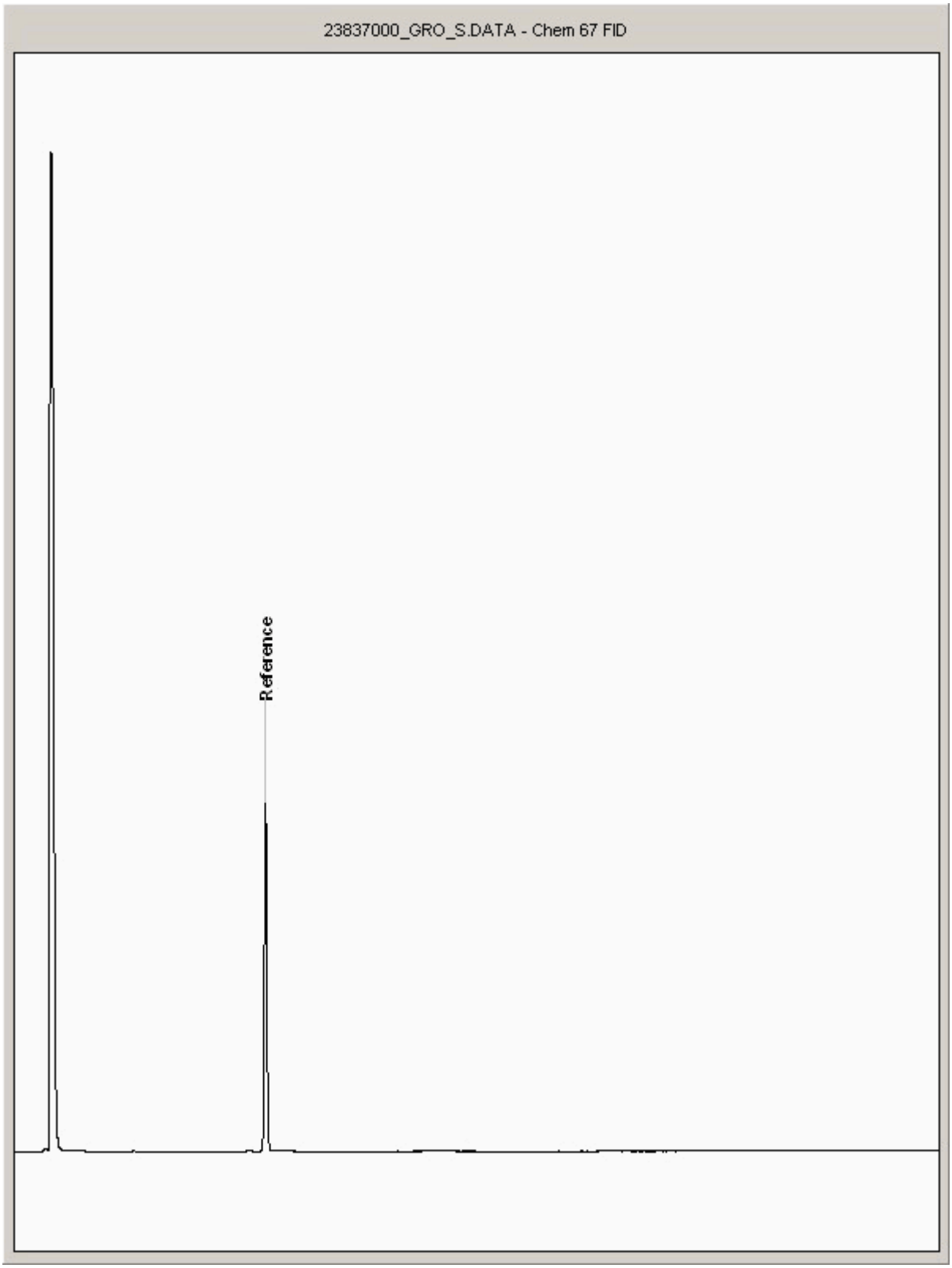
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23837000
Sample ID : BH9

Depth : 0.75 - 0.75



CERTIFICATE OF ANALYSIS

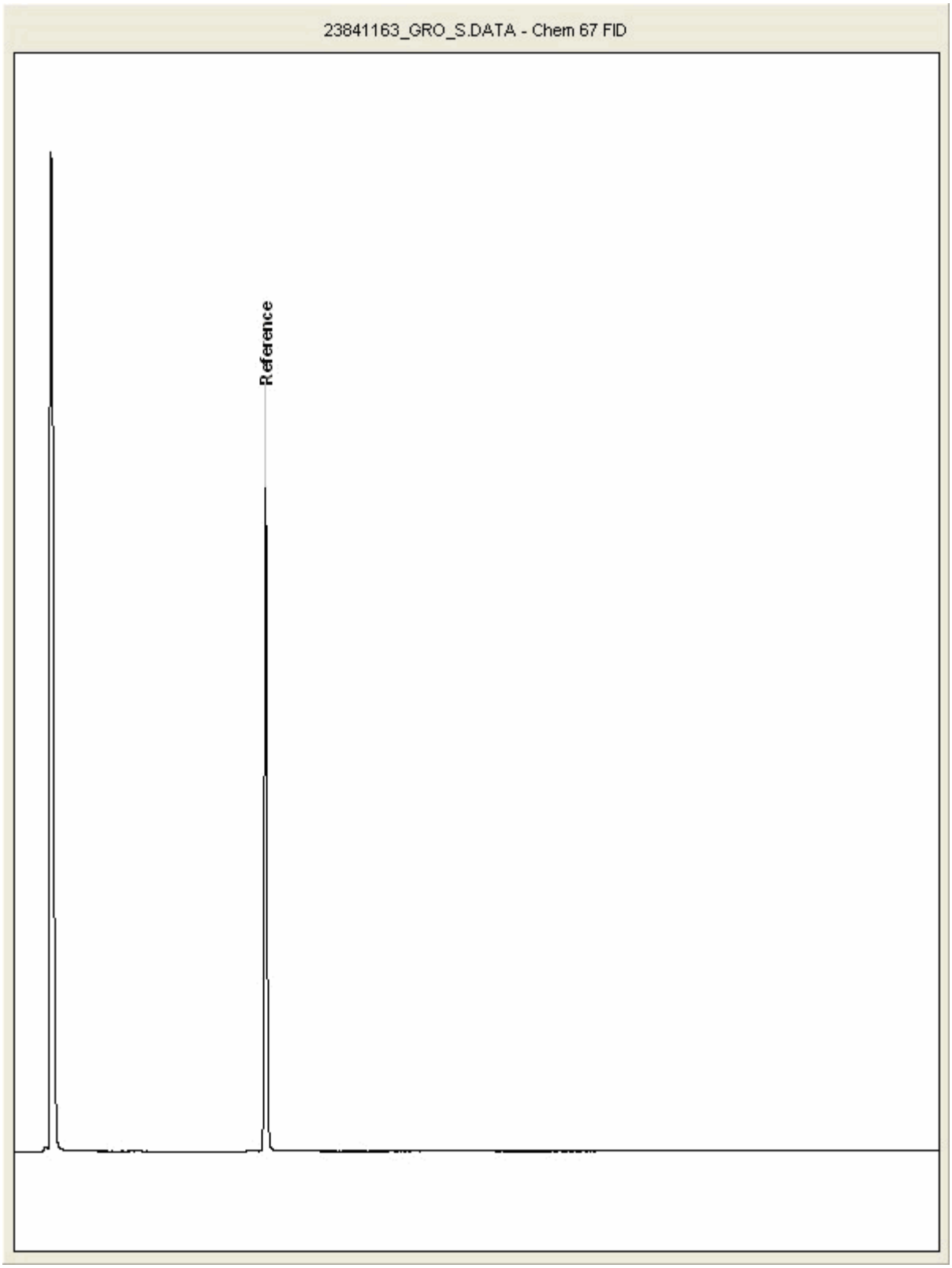
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23841163
Sample ID : BH10

Depth : 0.40 - 0.40



CERTIFICATE OF ANALYSIS

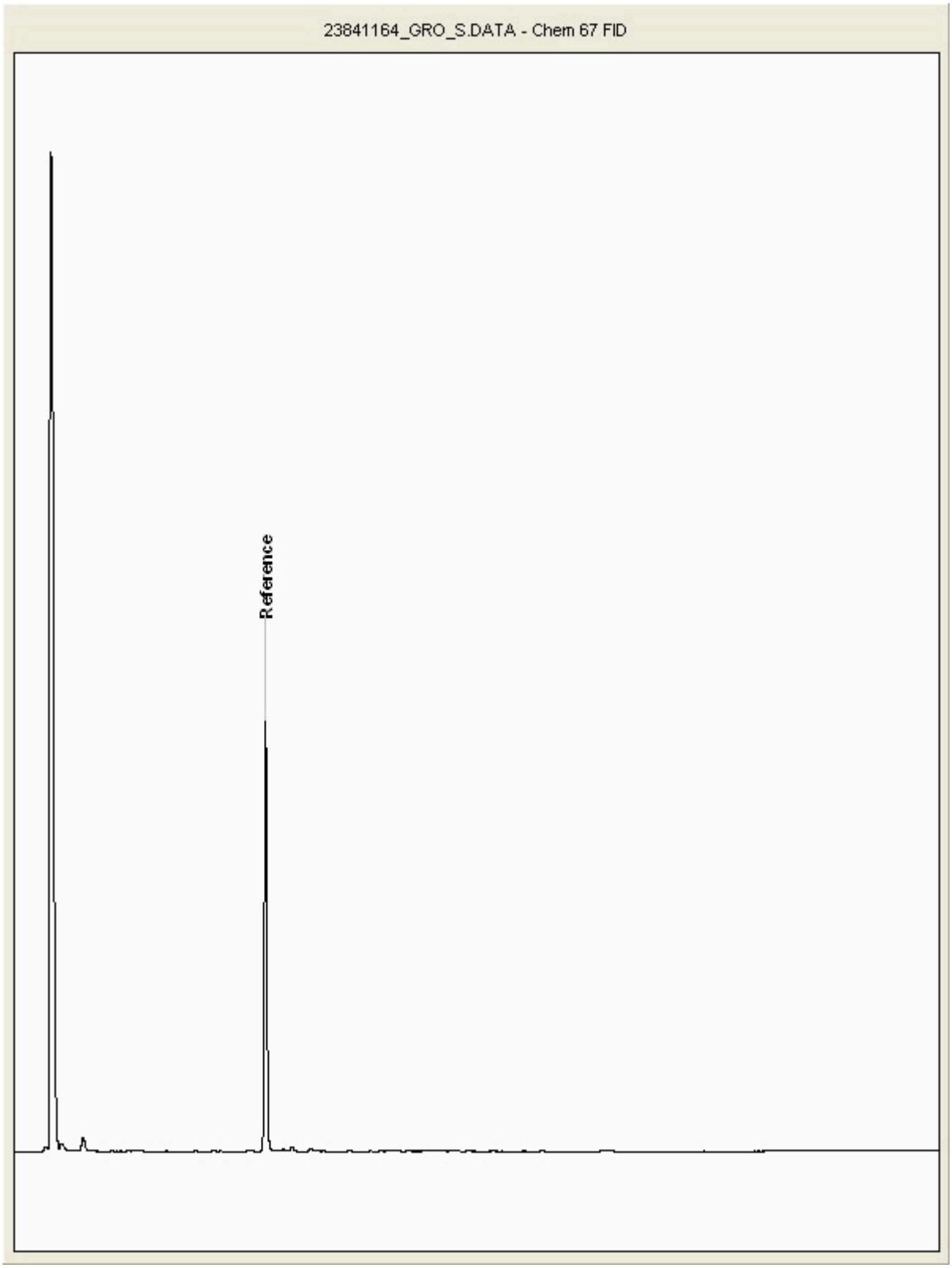
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23841164
Sample ID : BH7

Depth : 0.15 - 0.15

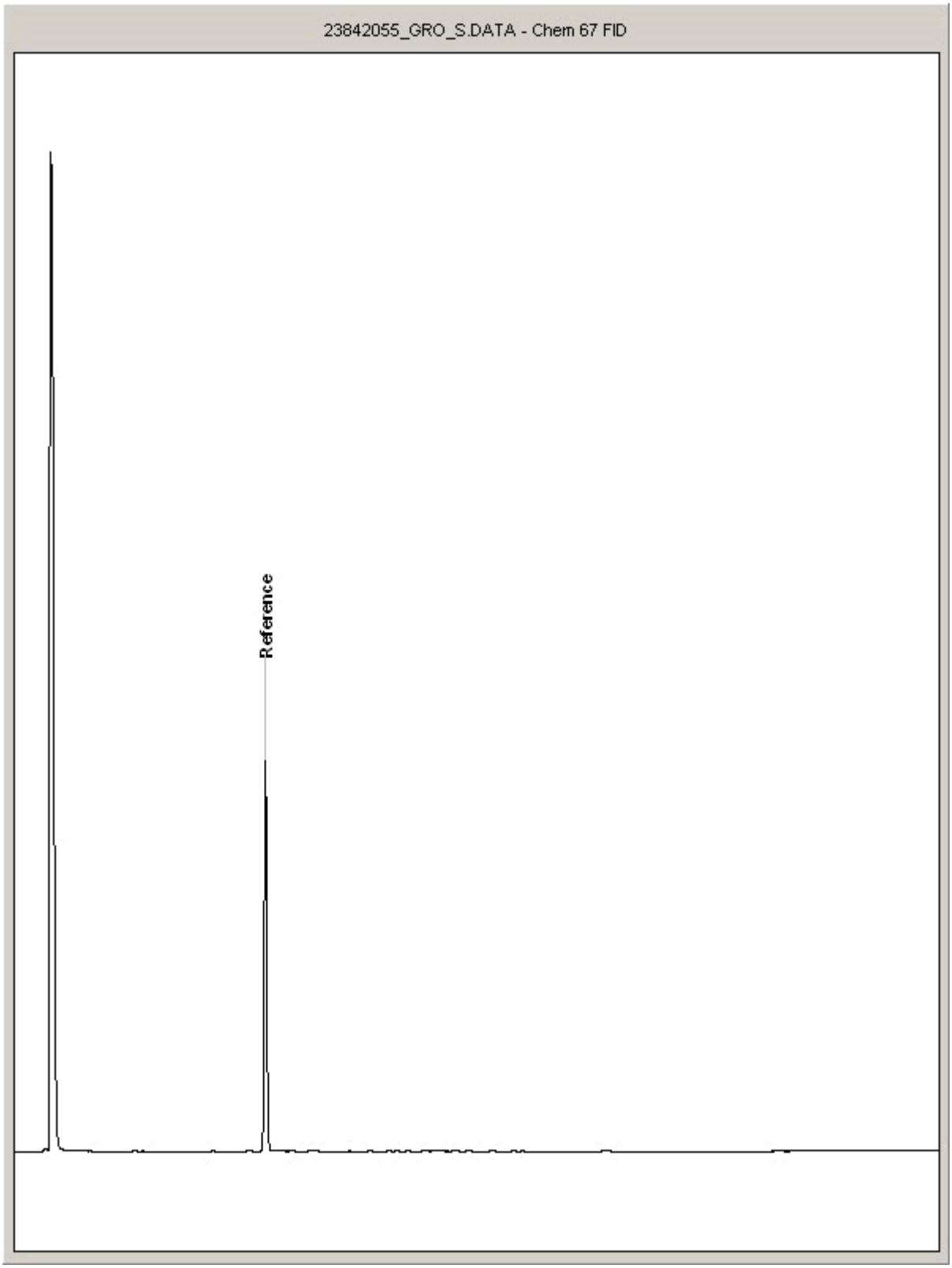


CERTIFICATE OF ANALYSIS

SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S) **Sample No :** 23842055 **Depth :** 0.60 - 0.60
Sample ID : HP1



CERTIFICATE OF ANALYSIS

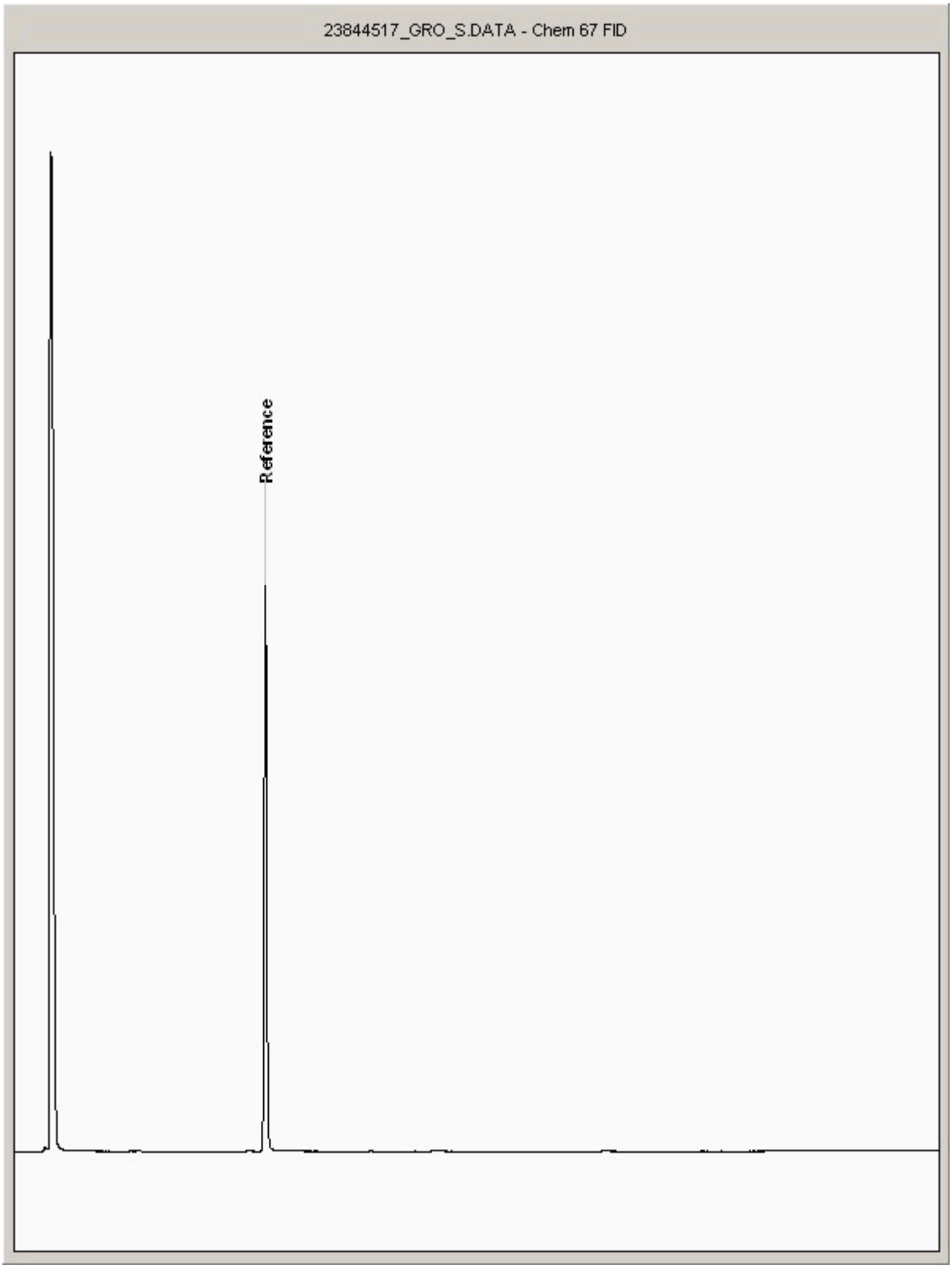
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23844517
Sample ID : BH10

Depth : 3.00 - 3.30



CERTIFICATE OF ANALYSIS

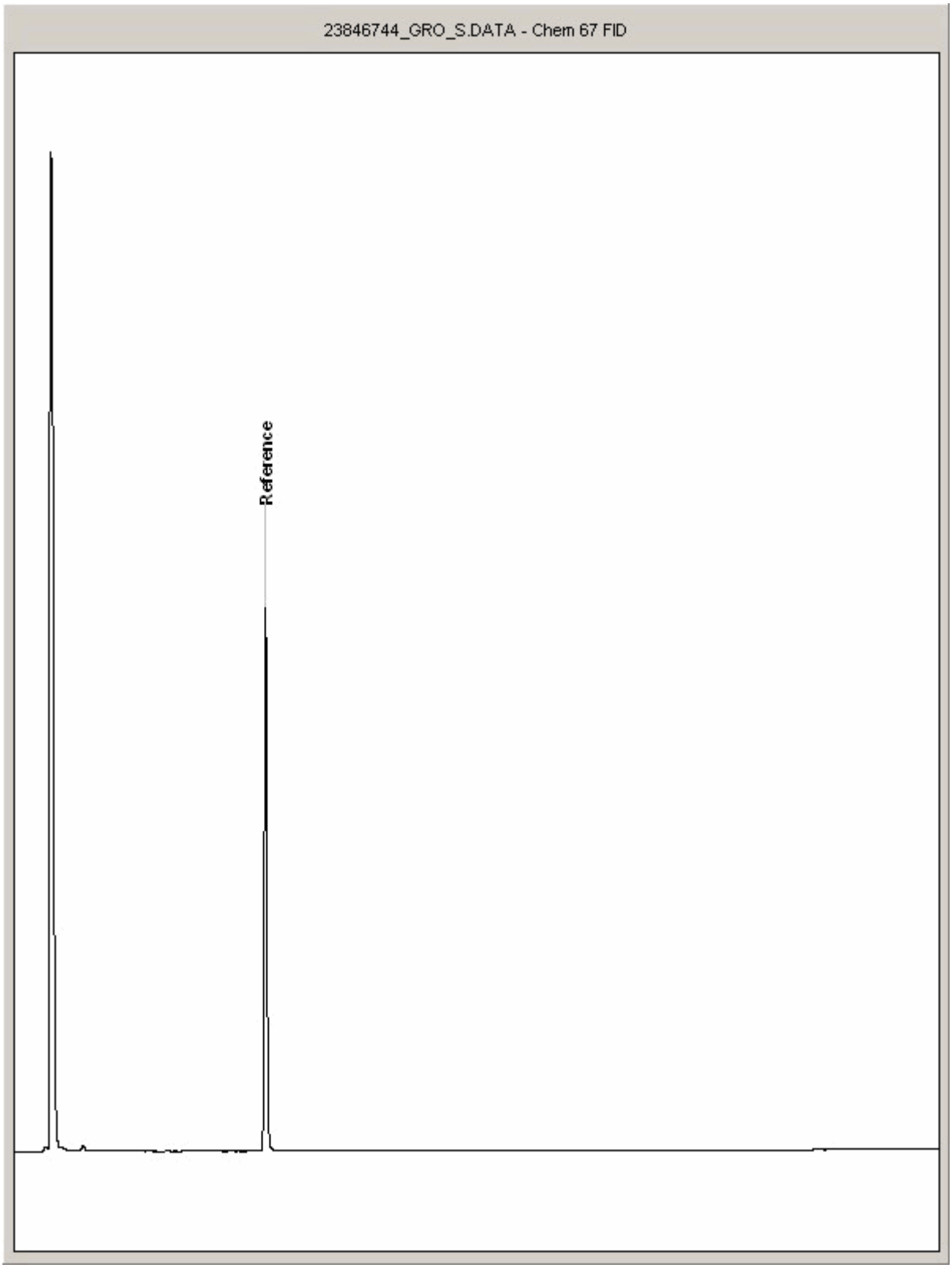
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23846744
Sample ID : BH7

Depth : 3.00 - 3.80



CERTIFICATE OF ANALYSIS

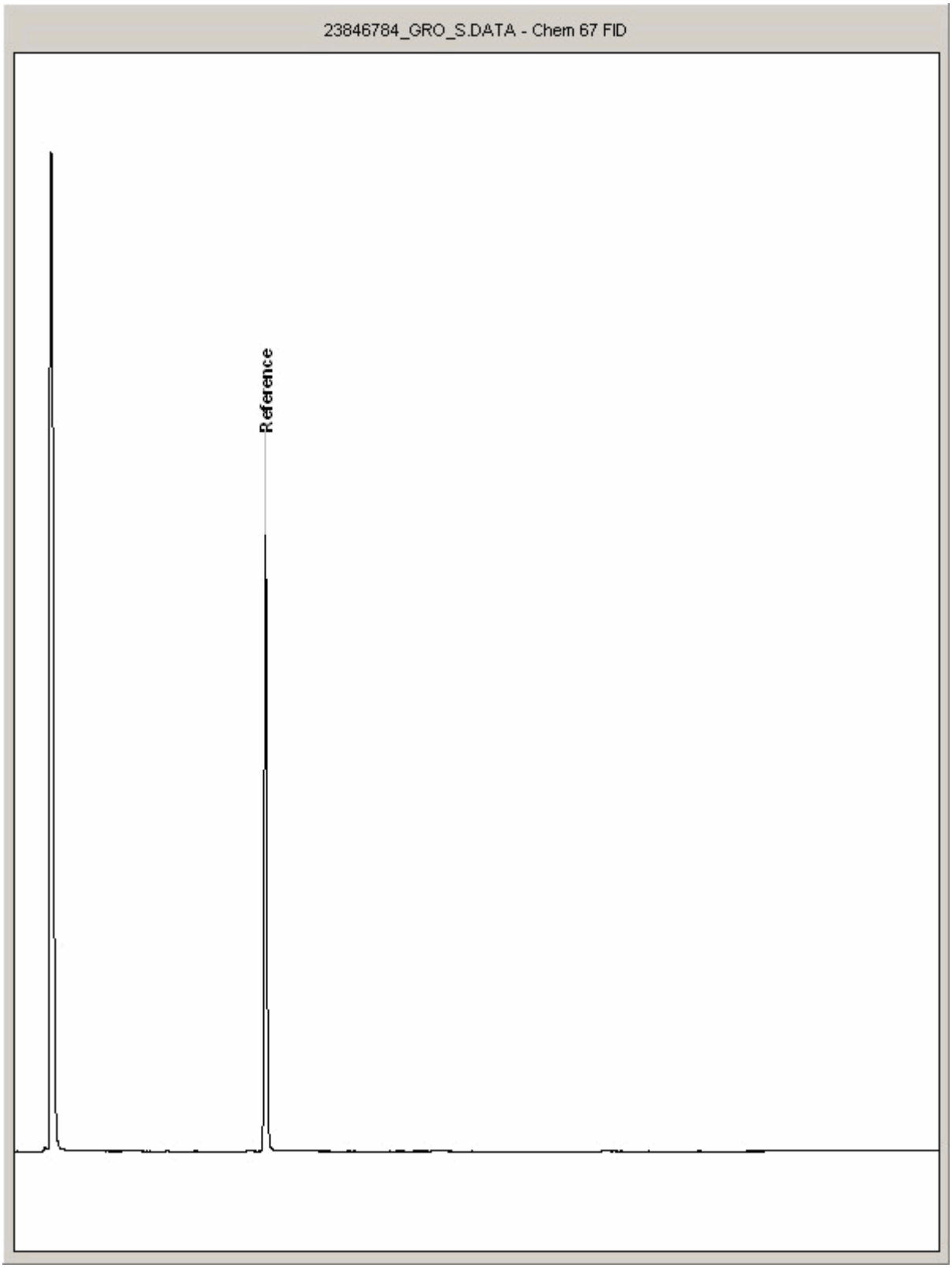
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23846784
Sample ID : BH8

Depth : 0.60 - 0.80



CERTIFICATE OF ANALYSIS

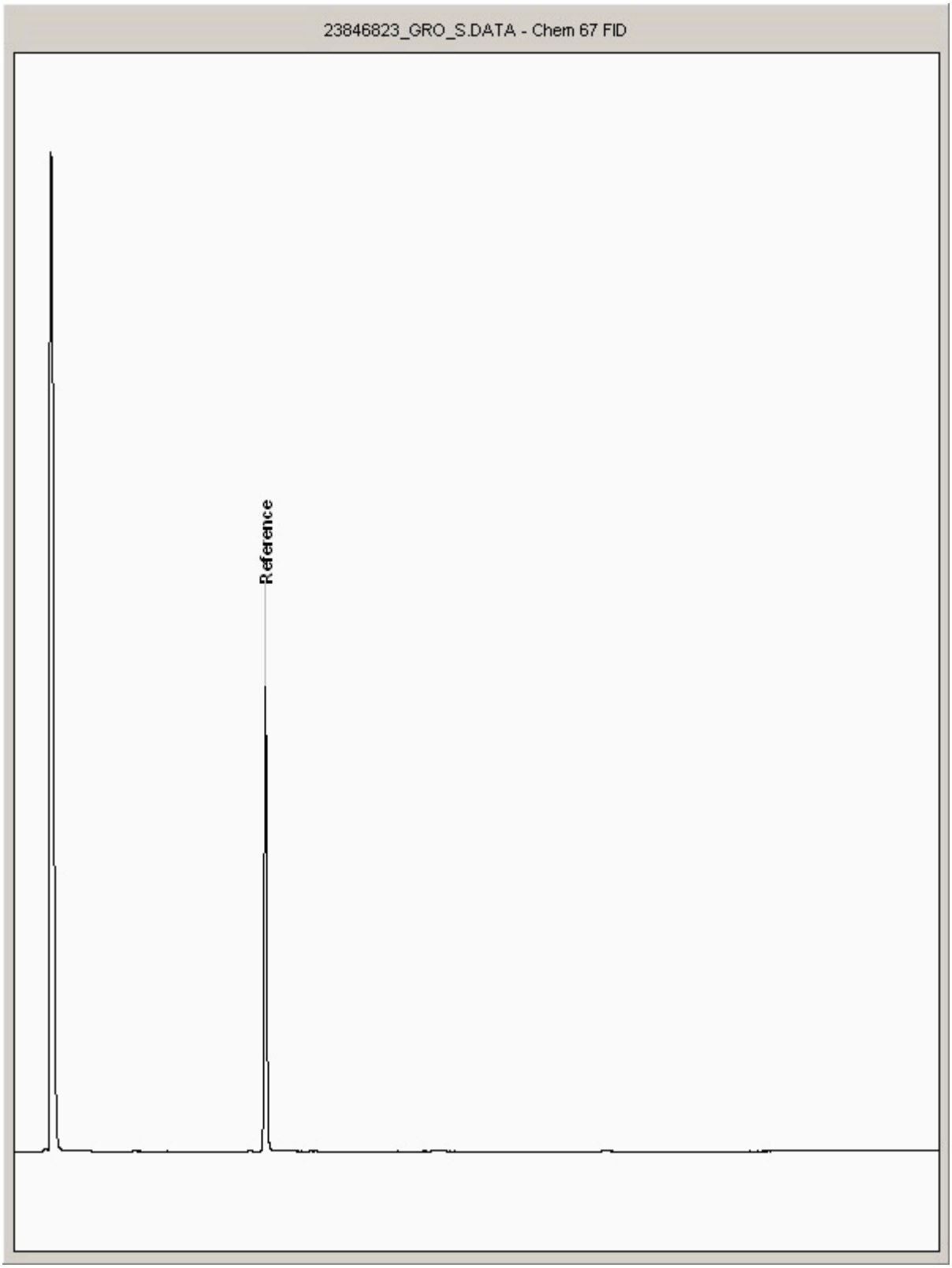
SDG:	210226-124	**Client Reference:**	70067958	**Report Number:**	591278
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23846823
Sample ID : BH8

Depth : 0.30 - 0.45



Certificate of Analysis

Report No.:	**21-99035-1**
Issue No.:	**1**
Date of Issue	**18/03/2021**
Customer Details:	ALS Life Sciences Limited, Unit7-8, Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US
Customer Contact:	Carrie Foster
Customer Order No.:	210226-124
Customer Reference:	210226-124
Quotation Reference:	210302/08
Description:	2 soil samples
Date Received:	08/03/2021
Date Started:	09/03/2021
Date Completed:	12/03/2021
Test Methods:	Details available on request (refer to SOP code against relevant result/s)
Notes:	None

Approved By: **Matthew Hickson, Laboratory Manager**

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service.
This certificate shall not be reproduced except in full without the prior written approval of the laboratory.
Observations and interpretations are outside of the scope of UKAS accreditation.
Results reported herein relate only to the items supplied to the laboratory for testing.
Results on an Interim Report are not dry-weight corrected.
Where the laboratory is not responsible for the sampling, results apply to the sample(s) as they were received.
The laboratory shall not be responsible for any information that is supplied by the customer that may affect the validity of results.

Results Summary

Report No.: 21-99035-1

Customer Reference: 210226-124

Customer Order No: 210226-124

Customer Sample No	**23828786**	**23828877**
Customer Sample ID	BH7	HP1
RPS Sample No	456440	456441
Sample Type	**SOIL**	**SOIL**
Sample Depth (m)	0.15	0.25
Sampling Date	19/02/2021	19/02/2021

Determinand	CAS No	Codes	SOP	Units	RL		
dry solids (at 105øC)		N	397	% w/w			81.0
dibutyltin (DBT)	1002-53-5	N	in house	mg/kg as cation	0.02	< 0.02	0.04
dibutyltin (DBT)	1002-53-5	N	in house	mg/kg as cation DW	0.02		0.05
diphenyltin (DPT)		N	in house	mg/kg as cation	0.02	< 0.02	< 0.02
diphenyltin (DPT)		N	in house	mg/kg as cation DW	0.02		< 0.02
monobutyltin (MBT)	78763-54-9	N	in house	mg/kg as cation	0.15	< 0.15	< 0.15
monobutyltin (MBT)	78763-54-9	N	in house	mg/kg as cation DW	0.15		< 0.15
monophenyltin (MPT)		N	in house	mg/kg as cation	0.02	< 0.02	< 0.02
monophenyltin (MPT)		N	in house	mg/kg as cation DW	0.02		< 0.02
tributyltin (TBT)	56573-85-4	N	in house	mg/kg as cation	0.02	< 0.02	0.07
tributyltin (TBT)	56573-85-4	N	in house	mg/kg as cation DW	0.02		0.09
triphenyltin (TPT)	668-34-8	N	in house	mg/kg as cation	0.05	< 0.05	< 0.05
triphenyltin (TPT)	668-34-8	N	in house	mg/kg as cation DW	0.05		< 0.05
tetrabutyltin	1461-25-2	N	in house	mg/kg as cation	0.02	< 0.02	< 0.02
tetrabutyltin	1461-25-2	N	in house	mg/kg as cation DW	0.02		< 0.02

Deviating Samples

Report No.: 21-99035-1

Customer Reference: 210226-124

Customer Order No: 210226-124

Our policy on Deviating Samples has been implemented in accordance with UKAS Policy on Deviating Samples (TPS63).
RPS is not responsible for the integrity of samples as received, unless RPS personnel performed the sampling. Samples submitted may be declared to be deviating.
Where applicable the analysis method remains UKAS accredited, however results reported for a deviating sample may be compromised.
Where no sampling date was supplied, samples have been declared to be deviating. If the date can be supplied, results may be reissued if assessed not deviating.
Where the sample container used was unsuitable or broken, the sample is flagged as deviating and re-sampling/re-submisson may be required.

RPS No.	Customer No.	Customer ID	Date Sampled	Containers Received	Deviating	Reason for Deviation
456440	23828786		19/02/2021	60ml amber glass jar	**Yes**	Holding time has been exceeded. Temperature of samples exceeded in transit/storage
456441	23828877		19/02/2021	60ml amber glass jar	**Yes**	Holding time has been exceeded. Temperature of samples exceeded in transit/storage

Report No.: 21-99035-1

Key Code	Description
U	UKAS Accredited Test - UKAS accreditation is only implied if the report carries the UKAS logo
F	UKAS Flexible Scope Test
M	MCERTS Accredited Test - MCERTS accreditation is only implied if the report carries the MCERTS logo
N	Not Accredited Test
O	Marine Management Organisation (MMO) Validated
S	Subcontracted to approved laboratory
US	Subcontracted to approved laboratory UKAS Accredited for the test
MS	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
SI	Subcontracted to internal RPS Group laboratory
USI	Subcontracted to internal RPS Group laboratory UKAS Accredited for the test
MSI	Subcontracted to internal RPS Group laboratory MCERTS/UKAS Accredited for the test
I/S (in results)	Insufficient Sample
U/S (in results)	Unsuitable Sample
S/C (in results)	See Comments
ND (in results)	Not Detected
AD (in units)	Results are expressed on an air-dried basis at 30 °C
DW (in units)	Results are expressed on a dry weight basis at 105 °C

Sample Type	Sample Retention and Disposal Period
Foodstuff	1 month (if frozen) from the issue date of this report
Waters	2 weeks from the issue date of this report
Other Liquids	1 month from the issue date of this report
Solids / Soils	1 month from the issue date of this report
Sediments	1 month from the issue date of this report

Note: Sample retention may be subject to agreement with the customer for particular projects

Where the dry solids value of a sample is low (<50%), reporting limits are automatically raised for all determinants analysed on an as-received basis.

Soil Typing	Description
Type 1	Clay - Brown
Type 2	Clay - Grey/Black
Type 3	Sand
Type 4	Top Soil (Standard)
Type 5	Top Soil (High Peat)
Type 6	Made Ground (>50% Clay)
Type 7	Made Ground (>50% Sand)
Type 8	Made Ground (>50% Top Soil)
Type X	Other

Certificate Notes	Description
Note 1	This test report shall not be reproduced except in full, without written approval of the Laboratory.
Note 2	Unless otherwise stated, results are not corrected for analytical recoveries.
Note 3	All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients. Once submitted, samples requiring analysis are stored at 5 ± 3°C. The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.
Note 4	Samples were taken by the customer and, unless otherwise stated, sampling locations were not supplied.
Note 5	Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.
Note 6	Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Note for results expressed on an air-dried basis: Results for soil samples are reported based on the dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30 °C and subsequently ground and seived to pass through a nominal 710 µm aperture sieve. Prior to any grinding, any material which is retained on a sieve of mesh size 4.75mm is discarded. In most cases, analysis is carried out directly on these prepared soils.

Note: Where the following information is included in this certificate, it has usually been supplied by the customer: Customer Sample ID, Sample Location, Sample Depth, Sampling Date and Sampling Time. The laboratory shall not be responsible for any information that is supplied by the customer that may affect the validity of results.

Appendix General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Matrix interference**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**
§	**Sampled on date not provided**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

WSP PB LBH
WSP PB
4th Floor
6 Devonshire Square
London
EC2M 4YE

Attention: Chris Summers

CERTIFICATE OF ANALYSIS

Date of report Generation:	24 March 2021
Customer:	WSP PB LBH
Sample Delivery Group (SDG):	210226-129
Your Reference:	70067958
Location:	JHP Land, Tipner West
Report No:	591923

This report has been revised and directly supersedes 591869 in its entirety.

We received 38 samples on Friday February 19, 2021 and 23 of these samples were scheduled for analysis which was completed on Wednesday March 24, 2021. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan
Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
23804590	BH1	ES	0.10 - 0.10	15/02/2021
23804629	BH1	ES	10.00 - 10.00	16/02/2021
23804598	BH1	ES	2.00 - 2.20	15/02/2021
23804605	BH1	ES	3.70 - 4.00	15/02/2021
23804612	BH1	ES	7.00 - 7.00	16/02/2021
23804617	BH1	ES	9.00 - 9.00	16/02/2021
23804665	BH2	ES	0.20 - 0.20	16/02/2021
23806438	BH2	ES	0.60 - 0.60	16/02/2021
23806486	BH2	ES	0.90 - 0.90	16/02/2021
23806449	BH2	ES	3.00 - 3.00	16/02/2021
23806457	BH2	ES	5.00 - 5.00	16/02/2021
23806465	BH3	ES	0.20 - 0.20	16/02/2021
23806473	BH3	ES	0.45 - 0.45	16/02/2021
23806481	BH3	ES	0.85 - 0.85	16/02/2021
23806530	NO ID			
23846568	NO ID			
23804482	WS1	ES	0.20 - 0.20	15/02/2021
23804566	WS1	ES	0.40 - 0.50	15/02/2021
23806423	WS1	ES	1.50 - 1.50	15/02/2021
23806491	WS1	ES	2.50 - 2.50	15/02/2021
23806497	WS1	ES	3.50 - 3.50	15/02/2021
23806513	WS3	ES	0.30 - 0.30	15/02/2021
23806518	WS3	ES	1.00 - 1.00	15/02/2021
23806524	WS3	ES	1.40 - 1.40	15/02/2021
23804641	WS4	ES	0.40 - 0.40	16/02/2021
23804654	WS4	ES	0.80 - 0.80	16/02/2021
23804492	WS4	ES	2.00 - 2.00	16/02/2021
23804505	WS4	ES	3.00 - 3.00	16/02/2021
23804516	WS4	ES	4.00 - 4.00	16/02/2021
23804524	WS4	ES	4.50 - 4.50	16/02/2021
23804534	WS5	ES	0.00 - 0.20	16/02/2021
23804542	WS5	ES	0.50 - 0.50	16/02/2021
23804547	WS5	BLK	0.70 - 0.70	16/02/2021
23804577	WS8	ES	0.30 - 0.40	16/02/2021
23806503	WS2A	ES	0.30 - 0.50	15/02/2021
23804550	WS7A	ES	0.10 - 0.10	16/02/2021
23804555	WS7A	ES	0.60 - 0.80	16/02/2021
23804562	WS7A	ES	1.30 - 1.50	16/02/2021

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

			Lab Sample No(s)	23804590	23804598	23804665	23806438	23806449	23806465	23806473	23806481	23804482
			Customer Sample Reference	BH1	BH1	BH2	BH2	BH2	BH3	BH3	BH3	WS1
			AGS Reference	ES	ES	ES	ES	ES	ES	ES	ES	ES
			Depth (m)	0.10 - 0.10	2.00 - 2.20	0.20 - 0.20	0.60 - 0.60	3.00 - 3.00	0.20 - 0.20	0.45 - 0.45	0.85 - 0.85	0.20 - 0.20
			Container	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)
			Sample Type	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Ammonium Soil by Titration	All	NDPs: 0 Tests: 17			X		X			X		X		X				X			X	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 15		X					X						X	X			X			
Asbestos Quantification - Full	All	NDPs: 1 Tests: 4																				
Boron Water Soluble	All	NDPs: 0 Tests: 17			X		X			X		X		X				X			X	
CEN Readings	All	NDPs: 0 Tests: 4													X							
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 17			X		X			X		X		X				X			X	
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 4													X							
EPH CWG GC (S)	All	NDPs: 0 Tests: 17			X		X			X		X		X				X			X	
Explosives (Standard Suite)*	All	NDPs: 1 Tests: 4						X														X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 17				X		X		X		X		X					X			
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 17			X		X			X		X		X				X			X	
Mercury Dissolved	All	NDPs: 0 Tests: 4													X							
Metals in solid samples by OES	All	NDPs: 0 Tests: 17			X		X			X		X		X				X			X	
Organotins on soils*	All	NDPs: 0 Tests: 3																				
pH	All	NDPs: 0 Tests: 17			X		X			X		X		X				X			X	

| | | |

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			23804590			23804598			23804665			23806438			23806449			23806465			23806473			23806481			23804482
Customer Sample Reference			BH1			BH1			BH2			BH2			BH2			BH3			BH3			BH3			WS1
AGS Reference			ES			ES			ES			ES			ES			ES			ES			ES			ES
Depth (m)			0.10 - 0.10			2.00 - 2.20			0.20 - 0.20			0.60 - 0.60			3.00 - 3.00			0.20 - 0.20			0.45 - 0.45			0.85 - 0.85			0.20 - 0.20
Container			1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)
Sample Type			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Phenols by HPLC (S)	All	NDPs: 0 Tests: 17		X		X			X		X		X				X			X						
Sample description	All	NDPs: 0 Tests: 14				X					X		X													
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 17		X		X			X		X		X				X			X						
Total Organic Carbon	All	NDPs: 0 Tests: 17		X		X			X		X		X				X			X						
Total Sulphate	All	NDPs: 0 Tests: 17		X		X			X		X		X				X			X						
TPH CWG GC (S)	All	NDPs: 0 Tests: 17		X		X			X		X		X				X			X						
VOC MS (S)	All	NDPs: 0 Tests: 17			X		X			X		X		X				X			X			X		

23804542	WS5	ES	0.50 - 0.50	250g Amber Jar (ALE210)	S									X
				1kg TUB with Handle (ALE260)	S									
23804534	WS5	ES	0.00 - 0.20	60g VOC (ALE215)	S								X	
				250g Amber Jar (ALE210)	S							X		X
				1kg TUB with Handle (ALE260)	S									
23804654	WS4	ES	0.80 - 0.80	60g VOC (ALE215)	S						X			
				250g Amber Jar (ALE210)	S					X		X		X
23804641	WS4	ES	0.40 - 0.40	60g VOC (ALE215)	S				X					
				250g Amber Jar (ALE210)	S			X		X		X		X
23806524	WS3	ES	1.40 - 1.40	60g VOC (ALE215)	S			X						
				250g Amber Jar (ALE210)	S			X		X		X		X
				1kg TUB with Handle (ALE260)	S									
23806518	WS3	ES	1.00 - 1.00	60g VOC (ALE215)	S		X							
				250g Amber Jar (ALE210)	S			X		X		X		X
				1kg TUB with Handle (ALE260)	S									
23806513	WS3	ES	0.30 - 0.30	60g VOC (ALE215)	S	X								
				250g Amber Jar (ALE210)	S			X		X		X		X
				1kg TUB with Handle (ALE260)	S									
23804566	WS1	ES	0.40 - 0.50	250g Amber Jar (ALE210)	S		X							
				1kg TUB with Handle (ALE260)	S			X		X		X		X

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

			Lab Sample No(s)	23804542	23804547	23804577	23806503			23804550		23804555			23804562	
			Customer Sample Reference	WS5	WS5	WS8	WS2A			WS7A		WS7A			WS7A	
			AGS Reference	ES	BLK	ES	ES			ES		ES			ES	
			Depth (m)	0.50 - 0.50	0.70 - 0.70	0.30 - 0.40	0.30 - 0.50			0.10 - 0.10		0.60 - 0.80			1.30 - 1.50	
			Container	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	1kg TUB with Handle (ALE260)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	250g Amber Jar (ALE210)	60g VOC (ALE215)
			Sample Type	S	S	S	S	S	S	S	S	S	S	S	S	S
Ammonium Soil by Titration	All	NDPs: 0 Tests: 17						X					X		X	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 15					X			X		X			X	
Asbestos Identification	All	NDPs: 0 Tests: 1			X											
Asbestos Quantification - Full	All	NDPs: 1 Tests: 4													N	
Boron Water Soluble	All	NDPs: 0 Tests: 17						X					X		X	
CEN Readings	All	NDPs: 0 Tests: 4					X									
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 17						X					X		X	
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 4					X									
EPH CWG GC (S)	All	NDPs: 0 Tests: 17						X					X		X	
Explosives (Standard Suite)*	All	NDPs: 1 Tests: 4				X										
GRO by GC-FID (S)	All	NDPs: 0 Tests: 17	X						X					X		X
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 17						X					X		X	
Mercury Dissolved	All	NDPs: 0 Tests: 4					X									
Metals in solid samples by OES	All	NDPs: 0 Tests: 17						X					X		X	
Organotins on soils*	All	NDPs: 0 Tests: 3						X			X					

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

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CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
23804590	BH1	0.10 - 0.10	Dark Brown	Sandy Loam	Stones	Vegetation
23804598	BH1	2.00 - 2.20	Grey	Sand	Stones	None
23804665	BH2	0.20 - 0.20	Dark Brown	Sandy Loam	Stones	Vegetation
23806438	BH2	0.60 - 0.60	Light Brown	Sandy Clay	Stones	Vegetation
23806449	BH2	3.00 - 3.00	Grey	Sandy Clay Loam	Stones	Vegetation
23806465	BH3	0.20 - 0.20	Dark Brown	Sand	Stones	Vegetation
23806473	BH3	0.45 - 0.45	Grey	Sandy Loam	Stones	Vegetation
23806481	BH3	0.85 - 0.85	Dark Brown	Sand	Stones	Vegetation
23804566	WS1	0.40 - 0.50	Dark Brown	Stone/Soil	Stones	Vegetation
23806513	WS3	0.30 - 0.30	Dark Brown	Loamy Sand	Stones	Crushed Brick
23806518	WS3	1.00 - 1.00	Green	Sandy Clay Loam	Stones	Brick
23806524	WS3	1.40 - 1.40	Dark Brown	Sandy Clay Loam	Stones	Crushed Brick
23804641	WS4	0.40 - 0.40	Grey	Loamy Sand	Stones	None
23804654	WS4	0.80 - 0.80	Dark Brown	Sand	Stones	Vegetation
23804534	WS5	0.00 - 0.20	Dark Brown	Sand	Stones	Crushed Brick
23804542	WS5	0.50 - 0.50	Dark Brown	Sandy Silt Loam	Stones	Brick
23806503	WS2A	0.30 - 0.50	Light Brown	Sand	Stones	Oil/Petroleum
23804550	WS7A	0.10 - 0.10	Dark Brown	Sandy Loam	Stones	Brick
23804555	WS7A	0.60 - 0.80	Light Brown	Loamy Sand	Stones	Vegetation
23804562	WS7A	1.30 - 1.50	Grey	Sandy Loam	Stones	Vegetation

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH1 0.10 - 0.10 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804590 ES	BH1 2.00 - 2.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804598 ES	BH2 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804665 ES	BH2 0.60 - 0.60 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806438 ES	BH2 3.00 - 3.00 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806449 ES
Moisture Content Ratio (% of as received sample)	%	PM024	17	11	14	13	13
Nitrocellulose*	<2 mg/kg	SUB			<5000		
HMX*	<2 mg/kg	SUB			<2		
RDX*	<2 mg/kg	SUB			<2		
Ethylene glycol dinitrate (EGDN) *	<1 mg/kg	SUB			<1		
Tetryl*	<1 mg/kg	SUB			<1		
Nitroglycerine*	<1 mg/kg	SUB			<1		
Trinitrotoluene (TNT)*	<0.1 mg/kg	SUB			<0.1		
2,6-Dinitrotoluene (2,6-DNT)*	<1 mg/kg	SUB			<1		
2,4-Dinitrotoluene (2,4-DNT)*	<1 mg/kg	SUB			<1		
PETN*	<5 mg/kg	SUB			<5		
Hexanitrostilbene (HNS)*	<0.5 mg/kg	SUB			<0.5		
Picrite*	<0.25 mg/kg	SUB			<0.25		
Picric acid*	<0.1 mg/kg	SUB			<0.1		
Exchangeable Ammonia as NH4	<15 mg/kg	TM024	<15 M	<15 M	<15 M	<15 M	<15 M
Catechol	<0.01 mg/kg	TM062 (S)	<0.01 @	<0.01 @	<0.01 @	<0.01	<0.01
Phenol	<0.01 mg/kg	TM062 (S)	<0.01 @ M	<0.01 @ M	<0.01 @ M	<0.01 M	<0.01 M
Cresols	<0.01 mg/kg	TM062 (S)	0.012 @ M	<0.01 @ M	<0.01 @ M	<0.01 M	<0.01 M
Resorcinol	<0.05 mg/kg	TM062 (S)	<0.05 @	<0.05 @	<0.05 @	<0.05	<0.05
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015 @ M	<0.015 @ M	<0.015 @ M	<0.015 M	<0.015 M
1-Naphthol	<0.01 mg/kg	TM062 (S)	<0.01 @	<0.01 @	<0.01 @	<0.01	<0.01
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)	<0.01 @ M	<0.01 @ M	<0.01 @ M	<0.01 M	<0.01 M
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)	<0.015 @ M	<0.015 @ M	<0.015 @ M	<0.015 M	<0.015 M
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)	<0.06 @ M	<0.06 @ M	<0.06 @ M	<0.06 M	<0.06 M
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)	<0.13 @	<0.13 @	<0.13 @	<0.13	<0.13
Soil Organic Matter (SOM)	<0.35 %	TM132	11.6 #	0.709 #	0.878 #	0.434 #	<0.35 #
pH	1 pH Units	TM133	8.09 M	10.3 M	9.09 M	8.31 M	8.87 M
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
Cyanide, Total	<1 mg/kg	TM153	<1 @ M	<1 @ M	<1 @ M	<1 @ M	<1 M
Arsenic	<0.6 mg/kg	TM181	14.3 M	12.8 M	12.1 M	8.12 M	4.24 M
Barium	<0.6 mg/kg	TM181	205 #	11.5 #	48 #	23.2 #	31.9 #

BH3 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806465 ES
0

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH1 0.10 - 0.10 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804590 ES	BH1 2.00 - 2.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804598 ES	BH2 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804665 ES	BH2 0.60 - 0.60 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806438 ES	BH2 3.00 - 3.00 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806449 ES
Beryllium	<0.01 mg/kg	TM181	0.853 M	0.483 M	0.533 M	0.627 M	0.446 M
Cadmium	<0.02 mg/kg	TM181	0.442 M	<0.02 M	0.0521 M	<0.02 M	0.298 M
Chromium	<0.9 mg/kg	TM181	22.3 M	9.8 M	21.4 M	23.1 M	13.9 M
Copper	<1.4 mg/kg	TM181	69 M	25.5 M	21 M	11 M	7.13 M
Lead	<0.7 mg/kg	TM181	273 M	12 M	52.6 M	16.3 M	3.95 M
Mercury	<0.1 mg/kg	TM181	0.245 M	<0.1 M	<0.1 M	<0.1 M	<0.1 M
Nickel	<0.2 mg/kg	TM181	19.6 M	10.4 M	19.3 M	17.2 M	23.4 M
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181	45.1 #	30 #	42.2 #	45.4 #	21.5 #
Zinc	<1.9 mg/kg	TM181	389 M	74.2 M	83.6 M	56.3 M	39.2 M
Sulphate, Total	<48 mg/kg	TM221	453 M	1050 M	171 M	221 M	231 M
Boron, water soluble	<1 mg/kg	TM222	1.67 M	3.5 M	1.45 M	1.7 M	2.27 M

BH3
0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806465 ES

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH3 0.45 - 0.45 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806473 ES	BH3 0.85 - 0.85 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806481 ES	WS1 0.20 - 0.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804482 ES	WS1 0.40 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804566 ES	WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES
Moisture Content Ratio (% of as received sample)	%	PM024	11	6		0	14
Nitrocellulose*	<2 mg/kg	SUB			<5000		
HMX*	<2 mg/kg	SUB			<2		
RDX*	<2 mg/kg	SUB			<2		
Ethylene glycol dinitrate (EGDN) *	<1 mg/kg	SUB			<1		
Tetryl*	<1 mg/kg	SUB			<1		
Nitroglycerine*	<1 mg/kg	SUB			<1		
Trinitrotoluene (TNT)*	<0.1 mg/kg	SUB			0.2		
2,6-Dinitrotoluene (2,6-DNT)*	<1 mg/kg	SUB			<1		
2,4-Dinitrotoluene (2,4-DNT)*	<1 mg/kg	SUB			<1		
PETN*	<5 mg/kg	SUB			<5		
Hexanitrostilbene (HNS)*	<0.5 mg/kg	SUB			<0.5		
Picrite*	<0.25 mg/kg	SUB			<0.25		
Picric acid*	<0.1 mg/kg	SUB			<0.1		
Exchangeable Ammonia as NH4	<15 mg/kg	TM024	<15 M	<15 M			<15 M
Catechol	<0.01 mg/kg	TM062 (S)	<0.01	<0.01			<0.01 @
Phenol	<0.01 mg/kg	TM062 (S)	<0.01 M	<0.01 M			0.0819 @ M
Cresols	<0.01 mg/kg	TM062 (S)	<0.01 M	<0.01 M			0.0936 @ M
Resorcinol	<0.05 mg/kg	TM062 (S)	<0.05	<0.05			0.0585 @
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015 M	<0.015 M			<0.015 @ M
1-Naphthol	<0.01 mg/kg	TM062 (S)	<0.01	<0.01			<0.01 @
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)	<0.01 M	<0.01 M			0.0351 @ M
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)	<0.015 M	<0.015 M			0.0351 @ M
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)	<0.06 M	<0.06 M			0.246 @ M
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)	<0.13	<0.13			0.304 @
Soil Organic Matter (SOM)	<0.35 %	TM132	0.576 #	0.512 #			6.03 #
pH	1 pH Units	TM133	9.65 M	11.5 M			8.1 M
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #	<0.6 #			3.34 #
Cyanide, Total	<1 mg/kg	TM153	<1 @ M	<1 @ M			<1 @ M
Arsenic	<0.6 mg/kg	TM181	2.51 M	3.6 M			42.3 M
Barium	<0.6 mg/kg	TM181	29.4 #	26.5 #			869 #

WS3 1.00 - 1.00 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806518 ES
14
<15 M
<0.01 @
<0.01 @ M
<0.01 @ M
<0.05 @
<0.015 @ M
<0.01 @
<0.01 @ M
<0.015 @ M
<0.06 @ M
<0.13 @
0.972 #
8.92 M
<0.6 #
<1 @ M
4.32 M
24.1 #

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH3 0.45 - 0.45 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806473 ES	BH3 0.85 - 0.85 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806481 ES	WS1 0.20 - 0.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804482 ES	WS1 0.40 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804566 ES	WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES
Beryllium	<0.01 mg/kg	TM181	0.148 M	0.198 M			<0.1 M
Cadmium	<0.02 mg/kg	TM181	0.257 M	<0.02 M			1.78 M
Chromium	<0.9 mg/kg	TM181	4.11 M	4.35 M			146 M
Copper	<1.4 mg/kg	TM181	6.61 M	4.26 M			15700 M
Lead	<0.7 mg/kg	TM181	24.5 M	22.8 M			607 M
Mercury	<0.1 mg/kg	TM181	<0.1 M	<0.1 M			<1 M
Nickel	<0.2 mg/kg	TM181	3.72 M	4.57 M			153 M
Selenium	<1 mg/kg	TM181	<1 #	<1 #			<10 #
Vanadium	<0.2 mg/kg	TM181	7.16 #	8.52 #			16.4 #
Zinc	<1.9 mg/kg	TM181	31.5 M	26.4 M			8770 M
Sulphate, Total	<48 mg/kg	TM221	630 M	1040 M			1520 M
Boron, water soluble	<1 mg/kg	TM222	<1 M	1.09 M			1.05 M
Asbestos Quantification - Gravimetric - %	<0.001 %	TM304					0.0012 #
Asbestos Quantification - PCOM Evaluation - %	<0.001 %	TM304					<0.001 #
Additional Asbestos Components (Using TM048)		TM304					None #
Analysts Comments		TM304					N/A
Asbestos Quantification - Total - %	<0.001 %	TM304					0.0012 #

WS3 1.00 - 1.00 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806518 ES
0.116 M
0.0504 M
2.75 M
35.8 M
25.8 M
<0.1 M
3.7 M
<1 #
7.62 #
44.8 M
712 M
2.27 M
0.005 #
<0.001 #
Additional component #
Fibre bundles in soil.
0.005 #

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			WS3 1.40 - 1.40 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806524 ES	WS4 0.40 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804641 ES	WS4 0.80 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804654 ES	WS5 0.00 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804534 ES	WS5 0.50 - 0.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804542 ES
Moisture Content Ratio (% of as received sample)	%	PM024	13	24	0	12	17
Nitrocellulose*	<2 mg/kg	SUB				<5000	
HMX*	<2 mg/kg	SUB				<2	
RDX*	<2 mg/kg	SUB				<2	
Ethylene glycol dinitrate (EGDN)*	<1 mg/kg	SUB				<1	
Tetryl*	<1 mg/kg	SUB				<1	
Nitroglycerine*	<1 mg/kg	SUB				<1	
Trinitrotoluene (TNT)*	<0.1 mg/kg	SUB				<0.1	
2,6-Dinitrotoluene (2,6-DNT)*	<1 mg/kg	SUB				<1	
2,4-Dinitrotoluene (2,4-DNT)*	<1 mg/kg	SUB				<1	
PETN*	<5 mg/kg	SUB				<5	
Hexanitrostilbene (HNS)*	<0.5 mg/kg	SUB				<0.5	
Picrite*	<0.25 mg/kg	SUB				<0.25	
Picric acid*	<0.1 mg/kg	SUB				<0.1	
Exchangeable Ammonia as NH4	<15 mg/kg	TM024	<15 M	<15 M	<15 M	<15 M	<15 M
Catechol	<0.01 mg/kg	TM062 (S)	<0.01 @	<0.01	<0.01 @	<0.01	<0.01
Phenol	<0.01 mg/kg	TM062 (S)	<0.01 @ M	<0.01 M	<0.01 @ M	<0.01 M	<0.01 M
Cresols	<0.01 mg/kg	TM062 (S)	<0.01 @ M	<0.01 M	<0.01 @ M	<0.01 M	<0.01 M
Resorcinol	<0.05 mg/kg	TM062 (S)	<0.05 @	<0.05	<0.05 @	<0.05	<0.05
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015 @ M	<0.015 M	<0.015 @ M	<0.015 M	<0.015 M
1-Naphthol	<0.01 mg/kg	TM062 (S)	<0.01 @	<0.01	<0.01 @	<0.01	<0.01
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)	<0.01 @ M	<0.01 M	<0.01 @ M	<0.01 M	<0.01 M
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)	<0.015 @ M	<0.015 M	<0.015 @ M	<0.015 M	<0.015 M
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)	<0.06 @ M	<0.06 M	<0.06 @ M	<0.06 M	<0.06 M
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)	<0.13 @	<0.13	<0.13 @	<0.13	<0.13
Soil Organic Matter (SOM)	<0.35 %	TM132	3.55 #	14.1 #	0.54 #	2.26 #	3.41 #
pH	1 pH Units	TM133	9.13 M	8.34 M	8.88 M	9.16 M	8.73 M
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #	<0.6 #	<0.6 #	<0.6 #	1.72 #
Cyanide, Total	<1 mg/kg	TM153	<1 @ M	<1 @ M	<1 @ M	<1 M	<1 @ M
Arsenic	<0.6 mg/kg	TM181	8.51 M	23.2 M	11.2 M	6.78 M	14.2 M
Barium	<0.6 mg/kg	TM181	157 #	197 #	18.7 #	98.5 #	127 #

WS8 0.30 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804577 ES
<5000
<2
<2
<1
<1
<1
<0.1
<1
<1
<5
<0.5
<0.25
<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			WS3 1.40 - 1.40 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806524 ES	WS4 0.40 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804641 ES	WS4 0.80 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804654 ES	WS5 0.00 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804534 ES	WS5 0.50 - 0.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804542 ES
Beryllium	<0.01 mg/kg	TM181	0.451 M	2.48 M	0.335 M	0.223 M	0.0182 M
Cadmium	<0.02 mg/kg	TM181	0.26 M	0.0391 M	<0.02 M	0.671 M	1.22 M
Chromium	<0.9 mg/kg	TM181	13.7 M	20.3 M	7.06 M	15.7 M	27 M
Copper	<1.4 mg/kg	TM181	32.8 M	258 M	6.79 M	69.5 M	115 M
Lead	<0.7 mg/kg	TM181	152 M	119 M	18.7 M	172 M	362 M
Mercury	<0.1 mg/kg	TM181	<0.1 M	<0.1 M	<0.1 M	<0.1 M	0.144 M
Nickel	<0.2 mg/kg	TM181	9.22 M	44.3 M	9.22 M	14.1 M	22.6 M
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181	27.2 #	116 #	29.3 #	13.8 #	15.4 #
Zinc	<1.9 mg/kg	TM181	130 M	209 M	33 M	265 M	445 M
Sulphate, Total	<48 mg/kg	TM221	1170 M	721 M	1620 M	1660 M	961 M
Boron, water soluble	<1 mg/kg	TM222	1.48 M	<1 M	<1 M	<1 M	1.85 M
Asbestos Quantification - Gravimetric - %	<0.001 %	TM304	<0.001 #			<0.001 #	
Asbestos Quantification - PCOM Evaluation - %	<0.001 %	TM304	<0.001 #			<0.001 #	
Additional Asbestos Components (Using TM048)		TM304	NONE #			NONE #	
Analysts Comments		TM304	N/A			N/A	
Asbestos Quantification - Total - %	<0.001 %	TM304	<0.001 #			<0.001 #	

WS8
0.30 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804577 ES

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

14:07:37 24/03/2021

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			WS2A 0.30 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806503 ES	WS7A 0.10 - 0.10 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804550 ES	WS7A 0.60 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804555 ES	WS7A 1.30 - 1.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804562 ES
Moisture Content Ratio (% of as received sample)	%	PM024	78	22	16	9.2
Exchangeable Ammonia as NH4	<15 mg/kg	TM024	<15 M		<15 M	<15 M
Catechol	<0.01 mg/kg	TM062 (S)	<0.01 @		<0.01	<0.01
Phenol	<0.01 mg/kg	TM062 (S)	<0.01 @ M		<0.01 M	<0.01 M
Cresols	<0.01 mg/kg	TM062 (S)	<0.01 @ M		<0.01 M	<0.01 M
Resorcinol	<0.05 mg/kg	TM062 (S)	<0.05 @		<0.05	<0.05
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015 @ M		<0.015 M	<0.015 M
1-Naphthol	<0.01 mg/kg	TM062 (S)	<0.01 @		<0.01	<0.01
2,3,5-Trimethylphenol	<0.01 mg/kg	TM062 (S)	<0.01 @ M		<0.01 M	<0.01 M
2-Isopropylphenol	<0.015 mg/kg	TM062 (S)	<0.015 @ M		<0.015 M	<0.015 M
Phenols, Total Detected 5 speciated	<0.06 mg/kg	TM062 (S)	<0.06 @ M		<0.06 M	<0.06 M
Phenols, Total Detected 8 Speciated	<0.13 mg/kg	TM062 (S)	<0.13 @		<0.13	<0.13
Soil Organic Matter (SOM)	<0.35 %	TM132	<0.35 #		0.881 #	0.509 #
pH	1 pH Units	TM133	11.6 M		10.3 M	8.72 M
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #		<0.6 #	<0.6 #
Cyanide, Total	<1 mg/kg	TM153	<1 @ M		<1 @ M	<1 @ M
Arsenic	<0.6 mg/kg	TM181	9.52 M		9.85 M	2.68 M
Barium	<0.6 mg/kg	TM181	22.1 #		76 #	27.2 #
Beryllium	<0.01 mg/kg	TM181	0.297 M		0.0815 M	0.0799 M
Cadmium	<0.02 mg/kg	TM181	<0.02 M		0.278 M	0.21 M
Chromium	<0.9 mg/kg	TM181	6.28 M		9.3 M	3.81 M
Copper	<1.4 mg/kg	TM181	5.69 M		24.1 M	7.84 M
Lead	<0.7 mg/kg	TM181	160 M		110 M	35.5 M
Mercury	<0.1 mg/kg	TM181	<0.1 M		<0.1 M	<0.1 M
Nickel	<0.2 mg/kg	TM181	10.5 M		14.1 M	3.91 M
Selenium	<1 mg/kg	TM181	<1 #		<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181	15.7 #		14.4 #	6.89 #
Zinc	<1.9 mg/kg	TM181	32.5 M		99.2 M	34.8 M
Sulphate, Total	<48 mg/kg	TM221	4620 M		910 M	478 M
Boron, water soluble	<1 mg/kg	TM222	2.46 M		1.44 M	3.31 M

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Organotins on soils*

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Organotins on soils*

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

14:07:37 24/03/2021

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Organotins on soils*

			WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES	WS2A 0.30 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806503 ES	WS7A 0.10 - 0.10 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804550 ES
Dibutyl Tin*	mg/kg	SUB	<0.1	<0.02	0.16
Tributyl Tin*	mg/kg	SUB	0.28	<0.02	0.42
Triphenyl Tin*	mg/kg	SUB	<0.1	<0.05	<0.05
Tetrabutyl Tin*	mg/kg	SUB	<0.1	<0.02	<0.02
Monobutyl Tin*	mg/kg	SUB	<0.15	<0.15	<0.15
Monophenyl Tin*	mg/kg	SUB	<0.1	<0.02	<0.02
Diphenyl Tin*	mg/kg	SUB	<0.02	<0.02	<0.02

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Semi Volatile Organic Compounds

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Semi Volatile Organic Compounds

			BH1 0.10 - 0.10 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804590 ES	BH1 2.00 - 2.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804598 ES	BH2 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804665 ES	BH2 0.60 - 0.60 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806438 ES	BH2 3.00 - 3.00 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806449 ES
Phenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157	<0.2	<0.2	<0.2	<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1

BH3 0.45 - 0.45 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806473 ES
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.4
<0.2
<0.2
<0.2
<0.2
<0.2
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CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH1 0.10 - 0.10 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804590 ES	BH1 2.00 - 2.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804598 ES	BH2 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804665 ES	BH2 0.60 - 0.60 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806438 ES	BH2 3.00 - 3.00 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806449 ES
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157	0.312	<0.1	0.128	<0.1	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	0.348	<0.1	0.116	<0.1	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	0.312	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157	0.36	<0.1	0.116	<0.1	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	0.24	<0.1	<0.1	<0.1	<0.1
Chrysene	<0.1 mg/kg	TM157	0.372	<0.1	0.128	<0.1	<0.1
Fluoranthene	<0.1 mg/kg	TM157	0.492	<0.1	0.174	<0.1	<0.1
Fluorene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	0.324	<0.1	<0.1	<0.1	<0.1
Phenanthrene	<0.1 mg/kg	TM157	0.276	<0.1	<0.1	<0.1	<0.1
Pyrene	<0.1 mg/kg	TM157	0.624	<0.1	0.22	<0.1	<0.1
Naphthalene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157	<0.1	<0.1	<0.1	<0.1	<0.1

BH3 0.45 - 0.45 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806473 ES
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
<0.2
0.874
0.504
0.571
0.672
0.314
0.762
0.75
<0.2
0.459
0.314
1.06
<0.2
<0.2
<0.2

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

14:07:37 24/03/2021

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Semi Volatile Organic Compounds

			BH3 0.85 - 0.85 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806481 ES	WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES	WS3 1.00 - 1.00 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806518 ES	WS3 1.40 - 1.40 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806524 ES	WS4 0.40 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804641 ES
Phenol	<0.1 mg/kg	TM157	<0.1	5.68	<0.1	<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157	<0.1	0.938	<0.1	<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157	<0.1	1.32	<0.1	<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157	<0.1	0.692	<0.1	<0.1	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157	<0.1	0.598	<0.1	<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157	<0.1	2.44	<0.1	<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157	<0.1	0.82	<0.1	<0.1	<0.1

WS4 0.80 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804654 ES
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.2
<0.1
<0.1
<0.1
<0.1
<0.1
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CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH3 0.85 - 0.85 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806481 ES	WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES	WS3 1.00 - 1.00 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806518 ES	WS3 1.40 - 1.40 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806524 ES	WS4 0.40 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804641 ES
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2-Chlorophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.1	0.878	<0.1	<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157	<0.1	2.44	<0.1	<0.1	<0.1
Anthracene	<0.1 mg/kg	TM157	0.127	0.774	0.139	0.196	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157	0.877	3.46	0.476	1.12	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	0.563	2.83	0.452	1.07	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	0.416	2.49	0.36	1.09	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157	0.709	1.94	0.441	1.33	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	0.281	1.28	0.255	1.07	<0.1
Chrysene	<0.1 mg/kg	TM157	0.891	3.78	0.464	1.12	<0.1
Fluoranthene	<0.1 mg/kg	TM157	1.06	7.56	0.603	1.27	<0.1
Fluorene	<0.1 mg/kg	TM157	<0.1	1.46	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	0.485	1.91	0.406	1.29	<0.1
Phenanthrene	<0.1 mg/kg	TM157	0.64	4.5	0.58	0.667	<0.1
Pyrene	<0.1 mg/kg	TM157	1.71	6.37	0.882	1.83	<0.1
Naphthalene	<0.1 mg/kg	TM157	<0.1	1.36	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	0.127	<0.1
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157	<0.1	<0.5	<0.1	<0.1	<0.1

WS4 0.80 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804654 ES
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
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<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1
<0.1

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

14:07:37 24/03/2021

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Semi Volatile Organic Compounds

			WS5 0.00 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804534 ES	WS5 0.50 - 0.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804542 ES	WS2A 0.30 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806503 ES	WS7A 0.60 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804555 ES	WS7A 1.30 - 1.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804562 ES
Phenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157	<1	<1	<0.1	<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157	0.599	<0.5	<0.1	<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157	0.814	<0.5	<0.1	<0.1	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157	<0.5	0.636	<0.1	<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			WS5 0.00 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804534 ES	WS5 0.50 - 0.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804542 ES	WS2A 0.30 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806503 ES	WS7A 0.60 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804555 ES	WS7A 1.30 - 1.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804562 ES
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2-Chlorophenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157	1.06	<0.5	0.665	<0.1	<0.1
Anthracene	<0.1 mg/kg	TM157	1.44	<0.5	0.897	<0.1	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157	9.73	3.73	7.27	0.19	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	11.1	4.7	5.21	0.119	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	9.94	4.09	4.75	0.143	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157	14.5	4.66	5.27	0.143	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	10.1	3.43	2.65	<0.1	<0.1
Chrysene	<0.1 mg/kg	TM157	8.18	4.13	6.39	0.19	<0.1
Fluoranthene	<0.1 mg/kg	TM157	10.9	4.93	12.1	0.262	<0.1
Fluorene	<0.1 mg/kg	TM157	0.791	<0.5	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	11.8	4.18	4.6	0.119	<0.1
Phenanthrene	<0.1 mg/kg	TM157	6.98	2.6	2.85	0.238	<0.1
Pyrene	<0.1 mg/kg	TM157	14.6	6.08	16.4	0.357	<0.1
Naphthalene	<0.1 mg/kg	TM157	0.655	<0.5	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	1.47	<0.5	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157	<0.5	<0.5	<0.1	<0.1	<0.1

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

TPH CWG (S)

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

TPH CWG (S)

			BH1 0.10 - 0.10 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804590 ES	BH1 2.00 - 2.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804598 ES	BH2 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804665 ES	BH2 0.60 - 0.60 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806438 ES	BH2 3.00 - 3.00 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806449 ES
GRO Surrogate % recovery**	%	TM089	83.3 @	121 @	117 @	119 @	103 @
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.01 @	<0.01 @	<0.01 @
Aliphatics >C6-C8	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.01 @	<0.01 @	<0.01 @
Aliphatics >C8-C10	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.01 @	<0.01 @	<0.01 @
Aliphatics >C10-C12	<1 mg/kg	TM414	<1	<1	<1	<1	<1
Aliphatics >C12-C16	<1 mg/kg	TM414	<1	<1	<1	<1	<1
Aliphatics >C16-C21	<1 mg/kg	TM414	1.13	<1	<1	<1	<1
Aliphatics >C21-C35	<1 mg/kg	TM414	34.3	<1	<1	<1	<1
Aliphatics >C35-C44	<1 mg/kg	TM414	10.3	<1	<1	<1	<1
Total Aliphatics >C10-C44	<5 mg/kg	TM414	45.8	<5	<5	<5	<5
Total Aliphatics & Aromatics >C10-C44	<10 mg/kg	TM414	111	<10	<10	<10	<10
Aromatics >EC5-EC7	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.01 @	<0.01 @	<0.01 @
Aromatics >EC7-EC8	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.01 @	<0.01 @	<0.01 @
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.01 @	<0.01 @	<0.01 @
Aromatics > EC10-EC12	<1 mg/kg	TM414	<1	<1	<1	<1	<1
Aromatics > EC12-EC16	<1 mg/kg	TM414	<1	<1	<1	<1	<1
Aromatics > EC16-EC21	<1 mg/kg	TM414	3.7	<1	<1	<1	<1
Aromatics > EC21-EC35	<1 mg/kg	TM414	54.3	<1	1.67	<1	<1
Aromatics >EC35-EC44	<1 mg/kg	TM414	7.54	<1	<1	<1	<1
Aromatics > EC40-EC44	<1 mg/kg	TM414	<1	<1	<1	<1	<1
Total Aromatics > EC10-EC44	<5 mg/kg	TM414	65.5	<5	<5	<5	<5
Total Aliphatics & Aromatics >C5-C44	<10 mg/kg	TM414	111	<10	<10	<10	<10
Total Aliphatics >C5-C10	<0.05 mg/kg	TM089	<0.05 @	<0.05 @	<0.05 @	<0.05 @	<0.05 @
Total Aromatics >EC5-EC10	<0.05 mg/kg	TM089	<0.05 @	<0.05 @	<0.05 @	<0.05 @	<0.05 @
GRO >C5-C10	<0.02 mg/kg	TM089	<0.02 @	<0.02 @	<0.02 @	<0.02 @	<0.02 @

BH3 0.45 - 0.45 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806473 ES
97 @
<0.01 @
<0.01 @
<0.01 @
<1
1.39
8.06
12.5
12.9
34.8
62.4
<0.01 @
<0.01 @
<0.01 @
<1
<1
3.22
22
2.12
<1
27.6
62.4
<0.05 @
<0.05 @
<0.02 @

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

TPH CWG (S)

			BH3 0.85 - 0.85 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806481 ES	WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES	WS3 1.00 - 1.00 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806518 ES	WS3 1.40 - 1.40 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806524 ES	WS4 0.40 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804641 ES
GRO Surrogate % recovery**	%	TM089	101 @	82 @	129 @	110 @	92.8 @
Aliphatics >C5-C6	<0.01 mg/kg	TM089	0.0234 @	0.0644 @	<0.01 @	<0.01 @	<0.01 @
Aliphatics >C6-C8	<0.01 mg/kg	TM089	0.016 @	0.185 @	0.0325 @	0.015 @	<0.01 @
Aliphatics >C8-C10	<0.01 mg/kg	TM089	0.034 @	7.81 @	0.281 @	0.0656 @	<0.01 @
Aliphatics >C10-C12	<1 mg/kg	TM414	<1	67.9	5.72	<10	<1
Aliphatics >C12-C16	<1 mg/kg	TM414	<1	216	35.7	<10	<1
Aliphatics >C16-C21	<1 mg/kg	TM414	6.5	1800	68.1	<10	<1
Aliphatics >C21-C35	<1 mg/kg	TM414	17.2	2730	30.9	89.6	527
Aliphatics >C35-C44	<1 mg/kg	TM414	1.57	595	3.11	118	132
Total Aliphatics >C10-C44	<5 mg/kg	TM414	25.6	5410	143	213	660
Total Aliphatics & Aromatics >C10-C44	<10 mg/kg	TM414	58.2	8310	231	866	664
Aromatics >EC5-EC7	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.01 @	<0.01 @	<0.01 @
Aromatics >EC7-EC8	<0.01 mg/kg	TM089	<0.01 @	0.0363 @	<0.01 @	<0.01 @	<0.01 @
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	0.0223 @	5.21 @	0.188 @	0.0437 @	<0.01 @
Aromatics > EC10-EC12	<1 mg/kg	TM414	<1	64	<1	<10	<1
Aromatics > EC12-EC16	<1 mg/kg	TM414	<1	142	27.9	<10	<1
Aromatics > EC16-EC21	<1 mg/kg	TM414	4.58	596	12.6	56	<1
Aromatics > EC21-EC35	<1 mg/kg	TM414	25.7	1950	41.3	517	2.32
Aromatics >EC35-EC44	<1 mg/kg	TM414	2.34	140	4.51	78.3	<1
Aromatics > EC40-EC44	<1 mg/kg	TM414	<1	66.2	<1	20	<1
Total Aromatics > EC10-EC44	<5 mg/kg	TM414	32.6	2900	87.1	653	<5
Total Aliphatics & Aromatics >C5-C44	<10 mg/kg	TM414	58.3	8320	231	866	660
Total Aliphatics >C5-C10	<0.05 mg/kg	TM089	0.0734 @	8.06 @	0.313 @	0.0805 @	<0.05 @
Total Aromatics >EC5-EC10	<0.05 mg/kg	TM089	<0.05 @	5.24 @	0.188 @	<0.05 @	<0.05 @
GRO >C5-C10	<0.02 mg/kg	TM089	0.0734 @	13.3 @	0.501 @	0.0805 @	<0.02 @

WS4 0.80 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804654 ES
98.1 @
<0.01 @
<0.01 @
<0.01 @
<1
<1
<1
25.7
6.47
32.2
33.8
<0.01 @
<0.01 @
<0.01 @
<1
<1
<1
<1
<1
<1
<5
32.2
<0.05 @
<0.05 @
<0.02 @

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

TPH CWG (S)

			WS5 0.00 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804534 ES	WS5 0.50 - 0.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804542 ES	WS2A 0.30 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806503 ES	WS7A 0.60 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804555 ES	WS7A 1.30 - 1.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804562 ES
GRO Surrogate % recovery**	%	TM089	120 @	78.4 @	108 @	114 @	111 @
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	0.704 @	<0.01 @	<0.01 @
Aliphatics >C6-C8	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	3.16 @	<0.01 @	0.0187 @
Aliphatics >C8-C10	<0.01 mg/kg	TM089	0.0215 @	0.018 @	42.5 @	<0.01 @	0.0649 @
Aliphatics >C10-C12	<1 mg/kg	TM414	<5	<1	367	<1	<1
Aliphatics >C12-C16	<1 mg/kg	TM414	<5	2.28	1800	<1	<1
Aliphatics >C16-C21	<1 mg/kg	TM414	<5	45.4	3210	<1	<1
Aliphatics >C21-C35	<1 mg/kg	TM414	23.7	86.1	2160	<1	<1
Aliphatics >C35-C44	<1 mg/kg	TM414	<5	5.38	75.5	<1	<1
Total Aliphatics >C10-C44	<5 mg/kg	TM414	27.9	140	7610	<5	<5
Total Aliphatics & Aromatics >C10-C44	<10 mg/kg	TM414	572	1600	10100	<10	<10
Aromatics >EC5-EC7	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.1 @	<0.01 @	<0.01 @
Aromatics >EC7-EC8	<0.01 mg/kg	TM089	<0.01 @	<0.01 @	<0.1 @	<0.01 @	<0.01 @
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	0.0147 @	0.012 @	28.3 @	<0.01 @	0.0429 @
Aromatics > EC10-EC12	<1 mg/kg	TM414	<5	<1	94	<1	<1
Aromatics > EC12-EC16	<1 mg/kg	TM414	<5	6.36	1310	<1	<1
Aromatics > EC16-EC21	<1 mg/kg	TM414	60.4	47.2	551	1.03	<1
Aromatics > EC21-EC35	<1 mg/kg	TM414	403	1020	496	4.02	<1
Aromatics >EC35-EC44	<1 mg/kg	TM414	77	390	69.7	<1	<1
Aromatics > EC40-EC44	<1 mg/kg	TM414	13.2	7.32	15	<1	<1
Total Aromatics > EC10-EC44	<5 mg/kg	TM414	544	1460	2520	6.04	<5
Total Aliphatics & Aromatics >C5-C44	<10 mg/kg	TM414	572	1600	10200	<10	<10
Total Aliphatics >C5-C10	<0.05 mg/kg	TM089	<0.05 @	<0.05 @	46.3 @	<0.05 @	0.0836 @
Total Aromatics >EC5-EC10	<0.05 mg/kg	TM089	<0.05 @	<0.05 @	28.3 @	<0.05 @	<0.05 @
GRO >C5-C10	<0.02 mg/kg	TM089	<0.02 @	<0.02 @	74.7 @	<0.02 @	0.0836 @

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

			BH1 0.10 - 0.10 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804590 ES	BH1 2.00 - 2.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804598 ES	BH2 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804665 ES	BH2 0.60 - 0.60 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806438 ES	BH2 3.00 - 3.00 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806449 ES
Dibromofluoromethane**	%	TM116	107 @	113 @	108 @	111 @	110 @
Toluene-d8**	%	TM116	95.9 @	98.3 @	98.4 @	98.5 @	99.7 @
4-Bromofluorobenzene**	%	TM116	83.6 @	93.5 @	94.7 @	95.2 @	94.7 @
Dichlorodifluoromethane	<0.006 mg/kg	TM116					
Chloromethane	<0.007 mg/kg	TM116					
Vinyl Chloride	<0.006 mg/kg	TM116					
Bromomethane	<0.01 mg/kg	TM116					
Chloroethane	<0.01 mg/kg	TM116					
Trichlorofluorormethane	<0.006 mg/kg	TM116					
1,1-Dichloroethene	<0.01 mg/kg	TM116					
Carbon Disulphide	<0.007 mg/kg	TM116					
Dichloromethane	<0.01 mg/kg	TM116					
Methyl Tertiary Butyl Ether	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M
trans-1,2-Dichloroethene	<0.01 mg/kg	TM116					
1,1-Dichloroethane	<0.008 mg/kg	TM116					
cis-1,2-Dichloroethene	<0.006 mg/kg	TM116					
2,2-Dichloropropane	<0.01 mg/kg	TM116					
Bromochloromethane	<0.01 mg/kg	TM116					
Chloroform	<0.008 mg/kg	TM116					
1,1,1-Trichloroethane	<0.007 mg/kg	TM116					
1,1-Dichloropropene	<0.01 mg/kg	TM116					
Carbontetrachloride	<0.01 mg/kg	TM116					
1,2-Dichloroethane	<0.005 mg/kg	TM116					
Benzene	<0.009 mg/kg	TM116	<0.09 @ M	<0.09 @ M	<0.09 @ M	<0.09 @ M	<0.09 @ M
Trichloroethene	<0.009 mg/kg	TM116					
1,2-Dichloropropane	<0.01 mg/kg	TM116					
Dibromomethane	<0.009 mg/kg	TM116					
Bromodichloromethane	<0.007 mg/kg	TM116					
cis-1,3-Dichloropropene	<0.01 mg/kg	TM116					
Toluene	<0.007 mg/kg	TM116	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M
trans-1,3-Dichloropropene	<0.01 mg/kg	TM116					

BH3 0.45 - 0.45 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806473 ES
108 @
98.4 @
93.6 @
<0.06 @ M
<0.07 @ #
<0.06 @ M
<0.1 @ M
<0.1 @ M
<0.06 @ M
<0.1 @ #
<0.07 @ M
<0.1 @ #
<0.1 @ M
<0.1 @ M
<0.08 @ M
<0.06 @ M
<0.1 @
<0.1 @ M
<0.08 @ M
<0.07 @ M
<0.1 @ M
<0.1 @ M
<0.05 @ M
<0.09 @ M
<0.09 @ #
<0.1 @ M
<0.09 @ M
<0.07 @ M
<0.1 @ M
<0.07 @ M
<0.1 @

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH1 0.10 - 0.10 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804590 ES	BH1 2.00 - 2.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804598 ES	BH2 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804665 ES	BH2 0.60 - 0.60 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806438 ES	BH2 3.00 - 3.00 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806449 ES
1,1,2-Trichloroethane	<0.01 mg/kg	TM116					
1,3-Dichloropropane	<0.007 mg/kg	TM116					
Tetrachloroethene	<0.005 mg/kg	TM116					
Dibromochloromethane	<0.01 mg/kg	TM116					
1,2-Dibromoethane	<0.01 mg/kg	TM116					
Chlorobenzene	<0.005 mg/kg	TM116					
1,1,1,2-Tetrachloroethane	<0.01 mg/kg	TM116					
Ethylbenzene	<0.004 mg/kg	TM116	<0.04 @ M	<0.04 @ M	<0.04 @ M	<0.04 @ M	<0.04 @ M
p/m-Xylene	<0.01 mg/kg	TM116	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #
o-Xylene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M
Styrene	<0.01 mg/kg	TM116					
Bromoform	<0.01 mg/kg	TM116					
Isopropylbenzene	<0.005 mg/kg	TM116					
1,1,2,2-Tetrachloroethane	<0.01 mg/kg	TM116					
1,2,3-Trichloropropane	<0.016 mg/kg	TM116					
Bromobenzene	<0.01 mg/kg	TM116					
Propylbenzene	<0.01 mg/kg	TM116					
2-Chlorotoluene	<0.009 mg/kg	TM116					
1,3,5-Trimethylbenzene	<0.008 mg/kg	TM116					
4-Chlorotoluene	<0.01 mg/kg	TM116					
tert-Butylbenzene	<0.014 mg/kg	TM116					
1,2,4-Trimethylbenzene	<0.009 mg/kg	TM116					
sec-Butylbenzene	<0.01 mg/kg	TM116					
4-Isopropyltoluene	<0.01 mg/kg	TM116					
1,3-Dichlorobenzene	<0.008 mg/kg	TM116					
1,4-Dichlorobenzene	<0.005 mg/kg	TM116					
n-Butylbenzene	<0.011 mg/kg	TM116					
1,2-Dichlorobenzene	<0.01 mg/kg	TM116					
1,2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116					
Tert-amyl methyl ether	<0.01 mg/kg	TM116					
1,2,4-Trichlorobenzene	<0.02 mg/kg	TM116					
Hexachlorobutadiene	<0.02 mg/kg	TM116					

BH3 0.45 - 0.45 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806473 ES
<0.1 @ M
<0.07 @ M
<0.05 @ M
<0.1 @ M
<0.1 @ M
<0.05 @ M
<0.1 @ M
<0.04 @ M
<0.1 @ #
<0.1 @ M
<0.1 @ #
<0.1 @ M
<0.05 @ #
<0.1 @ #
<0.16 @ M
<0.1 @ M
<0.1 @ M
<0.09 @ M
<0.08 @ M
<0.1 @ M
<0.14 @ M
<0.09 @ #
<0.1 @
<0.1 @ M
<0.08 @ M
<0.05 @ M
<0.11 @
<0.1 @ M
<0.14 @ M
<0.1 @ #
<0.2 @
<0.2 @

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH1 0.10 - 0.10 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804590 ES	BH1 2.00 - 2.20 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23804598 ES	BH2 0.20 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804665 ES	BH2 0.60 - 0.60 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806438 ES	BH2 3.00 - 3.00 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806449 ES
Naphthalene	<0.013 mg/kg	TM116					
1,2,3-Trichlorobenzene	<0.02 mg/kg	TM116					
1,3,5-Trichlorobenzene	<0.02 mg/kg	TM116					
Sum of Detected Xylenes	<0.02 mg/kg	TM116	<0.2 @	<0.2 @	<0.2 @	<0.2 @	<0.2 @
Sum of BTEX	<0.04 mg/kg	TM116	<0.4 @	<0.4 @	<0.4 @	<0.4 @	<0.4 @

BH3 0.45 - 0.45 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806473 ES
<0.13 @ M
<0.2 @ #
<0.2
<0.2 @
<0.4 @

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

14:07:37 24/03/2021

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

			BH3 0.85 - 0.85 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806481 ES	WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES	WS3 1.00 - 1.00 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806518 ES	WS3 1.40 - 1.40 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806524 ES	WS4 0.40 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804641 ES
Dibromofluoromethane**	%	TM116	109 @	113 @	114 @	111 @	107 @
Toluene-d8**	%	TM116	96.7 @	89 @	99.1 @	97.8 @	97.9 @
4-Bromofluorobenzene**	%	TM116	94.4 @	75.6 @	91.3 @	89.4 @	89.4 @
Dichlorodifluoromethane	<0.006 mg/kg	TM116	<0.06 @ M	<0.06 @ M	<0.06 @ M	<0.06 @ M	
Chloromethane	<0.007 mg/kg	TM116	<0.07 @ #	<0.07 @ #	<0.07 @ #	<0.07 @ #	
Vinyl Chloride	<0.006 mg/kg	TM116	<0.06 @ M	<0.06 @ M	<0.06 @ M	<0.06 @ M	
Bromomethane	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Chloroethane	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.06 @ M	<0.06 @ M	<0.06 @ M	<0.06 @ M	
1,1-Dichloroethene	<0.01 mg/kg	TM116	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	
Carbon Disulphide	<0.007 mg/kg	TM116	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M	
Dichloromethane	<0.01 mg/kg	TM116	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	
Methyl Tertiary Butyl Ether	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M
trans-1,2-Dichloroethene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
1,1-Dichloroethane	<0.008 mg/kg	TM116	<0.08 @ M	<0.08 @ M	<0.08 @ M	<0.08 @ M	
cis-1,2-Dichloroethene	<0.006 mg/kg	TM116	<0.06 @ M	<0.06 @ M	<0.06 @ M	<0.06 @ M	
2,2-Dichloropropane	<0.01 mg/kg	TM116	<0.1 @	<0.1 @	<0.1 @	<0.1 @	
Bromochloromethane	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Chloroform	<0.008 mg/kg	TM116	<0.08 @ M	<0.08 @ M	<0.08 @ M	<0.08 @ M	
1,1,1-Trichloroethane	<0.007 mg/kg	TM116	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M	
1,1-Dichloropropene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Carbontetrachloride	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
1,2-Dichloroethane	<0.005 mg/kg	TM116	<0.05 @ M	<0.05 @ M	<0.05 @ M	<0.05 @ M	
Benzene	<0.009 mg/kg	TM116	<0.09 @ M	<0.09 @ M	<0.09 @ M	<0.09 @ M	<0.09 @ M
Trichloroethene	<0.009 mg/kg	TM116	<0.09 @ #	<0.09 @ #	<0.09 @ #	<0.09 @ #	
1,2-Dichloropropane	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Dibromomethane	<0.009 mg/kg	TM116	<0.09 @ M	<0.09 @ M	<0.09 @ M	<0.09 @ M	
Bromodichloromethane	<0.007 mg/kg	TM116	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M	
cis-1,3-Dichloropropene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Toluene	<0.007 mg/kg	TM116	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M
trans-1,3-Dichloropropene	<0.01 mg/kg	TM116	<0.1 @	<0.1 @	<0.1 @	<0.1 @	

WS4 0.80 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804654 ES
107 @
99 @
92.2 @
<0.1 @ M
<0.09 @ M
<0.07 @ M

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH3 0.85 - 0.85 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806481 ES	WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES	WS3 1.00 - 1.00 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806518 ES	WS3 1.40 - 1.40 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806524 ES	WS4 0.40 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804641 ES
1,1,2-Trichloroethane	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
1,3-Dichloropropane	<0.007 mg/kg	TM116	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M	
Tetrachloroethene	<0.005 mg/kg	TM116	<0.05 @ M	<0.05 @ M	<0.05 @ M	<0.05 @ M	
Dibromochloromethane	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
1,2-Dibromoethane	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Chlorobenzene	<0.005 mg/kg	TM116	<0.05 @ M	<0.05 @ M	<0.05 @ M	<0.05 @ M	
1,1,1,2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Ethylbenzene	<0.004 mg/kg	TM116	<0.04 @ M	<0.04 @ M	<0.04 @ M	<0.04 @ M	<0.04 @ M
p/m-Xylene	<0.01 mg/kg	TM116	<0.1 @ #	0.164 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #
o-Xylene	<0.01 mg/kg	TM116	<0.1 @ M	0.431 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M
Styrene	<0.01 mg/kg	TM116	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	
Bromoform	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Isopropylbenzene	<0.005 mg/kg	TM116	<0.05 @ #	<0.05 @ #	<0.05 @ #	<0.05 @ #	
1,1,2,2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	
1,2,3-Trichloropropane	<0.016 mg/kg	TM116	<0.16 @ M	<0.16 @ M	<0.16 @ M	<0.16 @ M	
Bromobenzene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
Propylbenzene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
2-Chlorotoluene	<0.009 mg/kg	TM116	<0.09 @ M	<0.09 @ M	<0.09 @ M	<0.09 @ M	
1,3,5-Trimethylbenzene	<0.008 mg/kg	TM116	<0.08 @ M	<0.08 @ M	<0.08 @ M	<0.08 @ M	
4-Chlorotoluene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
tert-Butylbenzene	<0.014 mg/kg	TM116	<0.14 @ M	<0.14 @ M	<0.14 @ M	<0.14 @ M	
1,2,4-Trimethylbenzene	<0.009 mg/kg	TM116	<0.09 @ #	0.191 @ #	<0.09 @ #	<0.09 @ #	
sec-Butylbenzene	<0.01 mg/kg	TM116	<0.1 @	<0.1 @	<0.1 @	<0.1 @	
4-Isopropyltoluene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
1,3-Dichlorobenzene	<0.008 mg/kg	TM116	<0.08 @ M	<0.08 @ M	<0.08 @ M	<0.08 @ M	
1,4-Dichlorobenzene	<0.005 mg/kg	TM116	<0.05 @ M	<0.05 @ M	<0.05 @ M	<0.05 @ M	
n-Butylbenzene	<0.011 mg/kg	TM116	<0.11 @	<0.11 @	<0.11 @	<0.11 @	
1,2-Dichlorobenzene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	
1,2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116	<0.14 @ M	<0.14 @ M	<0.14 @ M	<0.14 @ M	
Tert-amyl methyl ether	<0.01 mg/kg	TM116	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	
1,2,4-Trichlorobenzene	<0.02 mg/kg	TM116	<0.2 @	<0.2 @	<0.2 @	<0.2 @	
Hexachlorobutadiene	<0.02 mg/kg	TM116	<0.2 @	<0.2 @	<0.2 @	<0.2 @	

WS4
0.80 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804654 ES
<0.04 @ M
<0.1 @ #
<0.1 @ M

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			BH3 0.85 - 0.85 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23806481 ES	WS3 0.30 - 0.30 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806513 ES	WS3 1.00 - 1.00 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806518 ES	WS3 1.40 - 1.40 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806524 ES	WS4 0.40 - 0.40 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804641 ES
Naphthalene	<0.013 mg/kg	TM116	<0.13 @ M	<0.13 @ M	<0.13 @ M	<0.13 @ M	
1,2,3-Trichlorobenzene	<0.02 mg/kg	TM116	<0.2 @ #	<0.2 @ #	<0.2 @ #	<0.2 @ #	
1,3,5-Trichlorobenzene	<0.02 mg/kg	TM116	<0.2	<0.2	<0.2	<0.2	
Sum of Detected Xylenes	<0.02 mg/kg	TM116	<0.2 @	0.594 @	<0.2 @	<0.2 @	<0.2 @
Sum of BTEX	<0.04 mg/kg	TM116	<0.4 @	0.594 @	<0.4 @	<0.4 @	<0.4 @

WS4 0.80 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804654 ES
<0.2 @
<0.4 @

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

			WS5 0.00 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804534 ES	WS5 0.50 - 0.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804542 ES	WS2A 0.30 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806503 ES	WS7A 0.60 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804555 ES	WS7A 1.30 - 1.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804562 ES
Dibromofluoromethane**	%	TM116	110 @	111 @	111 @	111 @	109 @
Toluene-d8**	%	TM116	96.1 @	97.8 @	97 @	96.5 @	98.1 @
4-Bromofluorobenzene**	%	TM116	85.7 @	87 @	90.5 @	93.2 @	92.4 @
Dichlorodifluoromethane	<0.006 mg/kg	TM116			<0.06 @ M	<0.06 @ M	<0.06 @ M
Chloromethane	<0.007 mg/kg	TM116			<0.07 @ #	<0.07 @ #	<0.07 @ #
Vinyl Chloride	<0.006 mg/kg	TM116			<0.06 @ M	<0.06 @ M	<0.06 @ M
Bromomethane	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Chloroethane	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Trichlorofluorormethane	<0.006 mg/kg	TM116			<0.06 @ M	<0.06 @ M	<0.06 @ M
1,1-Dichloroethene	<0.01 mg/kg	TM116			<0.1 @ #	<0.1 @ #	<0.1 @ #
Carbon Disulphide	<0.007 mg/kg	TM116			<0.07 @ M	<0.07 @ M	<0.07 @ M
Dichloromethane	<0.01 mg/kg	TM116			<0.1 @ #	<0.1 @ #	<0.1 @ #
Methyl Tertiary Butyl Ether	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M
trans-1,2-Dichloroethene	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
1,1-Dichloroethane	<0.008 mg/kg	TM116			<0.08 @ M	<0.08 @ M	<0.08 @ M
cis-1,2-Dichloroethene	<0.006 mg/kg	TM116			<0.06 @ M	<0.06 @ M	<0.06 @ M
2,2-Dichloropropane	<0.01 mg/kg	TM116			<0.1 @	<0.1 @	<0.1 @
Bromochloromethane	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Chloroform	<0.008 mg/kg	TM116			<0.08 @ M	<0.08 @ M	<0.08 @ M
1,1,1-Trichloroethane	<0.007 mg/kg	TM116			<0.07 @ M	<0.07 @ M	<0.07 @ M
1,1-Dichloropropene	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Carbontetrachloride	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
1,2-Dichloroethane	<0.005 mg/kg	TM116			<0.05 @ M	<0.05 @ M	<0.05 @ M
Benzene	<0.009 mg/kg	TM116	<0.09 @ M	<0.09 @ M	<0.09 @ M	<0.09 @ M	<0.09 @ M
Trichloroethene	<0.009 mg/kg	TM116			<0.09 @ #	<0.09 @ #	<0.09 @ #
1,2-Dichloropropane	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Dibromomethane	<0.009 mg/kg	TM116			<0.09 @ M	<0.09 @ M	<0.09 @ M
Bromodichloromethane	<0.007 mg/kg	TM116			<0.07 @ M	<0.07 @ M	<0.07 @ M
cis-1,3-Dichloropropene	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Toluene	<0.007 mg/kg	TM116	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M	<0.07 @ M
trans-1,3-Dichloropropene	<0.01 mg/kg	TM116			<0.1 @	<0.1 @	<0.1 @

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			WS5 0.00 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804534 ES	WS5 0.50 - 0.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804542 ES	WS2A 0.30 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806503 ES	WS7A 0.60 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804555 ES	WS7A 1.30 - 1.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804562 ES
1,1,2-Trichloroethane	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
1,3-Dichloropropane	<0.007 mg/kg	TM116			<0.07 @ M	<0.07 @ M	<0.07 @ M
Tetrachloroethene	<0.005 mg/kg	TM116			<0.05 @ M	<0.05 @ M	<0.05 @ M
Dibromochloromethane	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
1,2-Dibromoethane	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Chlorobenzene	<0.005 mg/kg	TM116			<0.05 @ M	<0.05 @ M	<0.05 @ M
1,1,1,2-Tetrachloroethane	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Ethylbenzene	<0.004 mg/kg	TM116	<0.04 @ M	<0.04 @ M	<0.04 @ M	<0.04 @ M	<0.04 @ M
p/m-Xylene	<0.01 mg/kg	TM116	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #	<0.1 @ #
o-Xylene	<0.01 mg/kg	TM116	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M	<0.1 @ M
Styrene	<0.01 mg/kg	TM116			<0.1 @ #	<0.1 @ #	<0.1 @ #
Bromoform	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Isopropylbenzene	<0.005 mg/kg	TM116			<0.05 @ #	<0.05 @ #	<0.05 @ #
1,1,2,2-Tetrachloroethane	<0.01 mg/kg	TM116			<0.1 @ #	<0.1 @ #	<0.1 @ #
1,2,3-Trichloropropane	<0.016 mg/kg	TM116			<0.16 @ M	<0.16 @ M	<0.16 @ M
Bromobenzene	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
Propylbenzene	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
2-Chlorotoluene	<0.009 mg/kg	TM116			<0.09 @ M	<0.09 @ M	<0.09 @ M
1,3,5-Trimethylbenzene	<0.008 mg/kg	TM116			0.634 @ M	<0.08 @ M	<0.08 @ M
4-Chlorotoluene	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
tert-Butylbenzene	<0.014 mg/kg	TM116			<0.14 @ M	<0.14 @ M	<0.14 @ M
1,2,4-Trimethylbenzene	<0.009 mg/kg	TM116			<0.09 @ #	<0.09 @ #	<0.09 @ #
sec-Butylbenzene	<0.01 mg/kg	TM116			<0.1 @	<0.1 @	<0.1 @
4-Isopropyltoluene	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
1,3-Dichlorobenzene	<0.008 mg/kg	TM116			<0.08 @ M	<0.08 @ M	<0.08 @ M
1,4-Dichlorobenzene	<0.005 mg/kg	TM116			<0.05 @ M	<0.05 @ M	<0.05 @ M
n-Butylbenzene	<0.011 mg/kg	TM116			<0.11 @	<0.11 @	<0.11 @
1,2-Dichlorobenzene	<0.01 mg/kg	TM116			<0.1 @ M	<0.1 @ M	<0.1 @ M
1,2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116			<0.14 @ M	<0.14 @ M	<0.14 @ M
Tert-amyl methyl ether	<0.01 mg/kg	TM116			<0.1 @ #	<0.1 @ #	<0.1 @ #
1,2,4-Trichlorobenzene	<0.02 mg/kg	TM116			<0.2 @	<0.2 @	<0.2 @
Hexachlorobutadiene	<0.02 mg/kg	TM116			<0.2 @	<0.2 @	<0.2 @

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

			WS5 0.00 - 0.20 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804534 ES	WS5 0.50 - 0.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804542 ES	WS2A 0.30 - 0.50 Soil/Solid (S) 15/02/2021 . 19/02/2021 210226-129 23806503 ES	WS7A 0.60 - 0.80 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804555 ES	WS7A 1.30 - 1.50 Soil/Solid (S) 16/02/2021 . 19/02/2021 210226-129 23804562 ES
Naphthalene	<0.013 mg/kg	TM116			<0.13 @ M	<0.13 @ M	<0.13 @ M
1,2,3-Trichlorobenzene	<0.02 mg/kg	TM116			<0.2 @ #	<0.2 @ #	<0.2 @ #
1,3,5-Trichlorobenzene	<0.02 mg/kg	TM116			<0.2	<0.2	<0.2
Sum of Detected Xylenes	<0.02 mg/kg	TM116	<0.2 @	<0.2 @	<0.2 @	<0.2 @	<0.2 @
Sum of BTEX	<0.04 mg/kg	TM116	<0.4 @	<0.4 @	<0.4 @	<0.4 @	<0.4 @

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Asbestos Identification - Bulk

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
*	Subcontracted test.
(F)	Trigger breach confirmed
1-5&♦§@	Sample deviation (see appendix)

		Date of Analysis	Analysed by	Comments	Actinolite, Fibrous	Anthophyllite, Fibrous	Asbestos, Amosite (brown)	Asbestos, Chrysotile (white)	Asbestos, Crocidolite (blue)	Non-asbestos fibre	Tremolite, Fibrous
Cust. Sample Ref.	WS5BLK 0.70 - 0.70	05/03/2021	Barbara Urbanek-Walsh	Material typical of asbestos cement.	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected	Not Detected (#)
Depth (m)	SOLID										
Sample Type	16/02/2021 00:00:00										
Date Sampled	19/02/2021 05:00:00										
Date Receieved	210226-129										
SDG	23804547										
Original Sample	TM048										
Method Number											

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Asbestos Identification - Solid Samples

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
*	Subcontracted test.
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	BH1ES 0.10 - 0.10 SOLID 15/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804590 TM048	04/03/2021	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	BH2ES 0.20 - 0.20 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804665 TM048	05/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	BH3ES 0.20 - 0.20 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806465 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	BH3ES 0.45 - 0.45 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806473 TM048	05/03/2021	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	BH3ES 0.85 - 0.85 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806481 TM048	05/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS3ES 0.30 - 0.30 SOLID 15/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806513 TM048	05/03/2021	Agnieszka Chelmowska	Fibre Bundle in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS3ES 1.00 - 1.00 SOLID 15/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806518 TM048	04/03/2021	Agnieszka Chelmowska	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS3ES 1.40 - 1.40 SOLID 15/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806524 TM048	04/03/2021	Agnieszka Chelmowska	Soil containing ACM debris	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS4ES 0.40 - 0.40 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804641 TM048	05/03/2021	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS5ES 0.00 - 0.20 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804534 TM048	04/03/2021	Agnieszka Chelmowska	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS5ES 0.50 - 0.50 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804542 TM048	03/03/2021	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS2AES 0.30 - 0.50 SOLID 15/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806503 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS7AES 0.10 - 0.10 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804550 TM048	04/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS7AES 0.60 - 0.80 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804555 TM048	05/03/2021	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS7AES 1.30 - 1.50 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804562 TM048	05/03/2021	Barbara Urbanek-Walsh	Loose fibres in soil.	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Asbestos Quantification - Full

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
*	Subcontracted test.
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

		Additional Asbestos Components	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS3ES 0.30 - 0.30 SOLID 15/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806513 TM304	None (#)	N/A	0.0012 (#)	<0.001 (#)	0.0012 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS3ES 1.00 - 1.00 SOLID 15/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806518 TM304	Additional component of Chrysotile detected. (#)	Fibre bundles in soil.	0.0050 (#)	<0.001 (#)	0.005 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS3ES 1.40 - 1.40 SOLID 15/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23806524 TM304	NONE (#)	N/A	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WS5ES 0.00 - 0.20 SOLID 16/02/2021 00:00:00 19/02/2021 05:00:00 210226-129 23804534 TM304	NONE (#)	N/A	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457

Client Reference		**Site Location**	JHP Land, Tipner West
Mass Sample taken (kg)	0.101	**Natural Moisture Content (%)**	11.9
Mass of dry sample (kg)	0.090	**Dry Matter Content (%)**	89.4
Particle Size <4mm	>95%		

Case	
SDG	210226-129
Lab Sample Number(s)	23804566
Sampled Date	15-Feb-2021
Customer Sample Ref.	WS1 ESZ
Depth (m)	0.40 - 0.50

Eluate Analysis	**C_2** Concⁿ in 10:1 eluate (mg/l)		**A_2** 10:1 concⁿ leached (mg/kg)	
	Result	**Limit of Detection**	**Result**	**Limit of Detection**

Leach Test Information

Date Prepared	01-Mar-2021
pH (pH Units)	9.18
Conductivity (µS/cm)	72.30
Temperature (°C)	18.20
Volume Leachant (Litres)	0.889

Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Arsenic	0.00919	<0.0005	0.0919	<0.005	-	-	-
Barium	0.0019	<0.0002	0.019	<0.002	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Boron	0.0447	<0.01	0.447	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Chromium	<0.001	<0.001	<0.01	<0.01	-	-	-
Copper	<0.0003	<0.0003	<0.003	<0.003	-	-	-
Lead	0.00267	<0.0002	0.0267	<0.002	-	-	-
Nickel	<0.0004	<0.0004	<0.004	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Vanadium	0.00877	<0.001	0.0877	<0.01	-	-	-
Zinc	<0.001	<0.001	<0.01	<0.01	-	-	-

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457

Client Reference		**Site Location**	JHP Land, Tipner West
Mass Sample taken (kg)	0.119	**Natural Moisture Content (%)**	31.3
Mass of dry sample (kg)	0.090	**Dry Matter Content (%)**	76.2
Particle Size <4mm	>95%		

Case	
SDG	210226-129
Lab Sample Number(s)	23804641
Sampled Date	16-Feb-2021
Customer Sample Ref.	WS4 ESZ
Depth (m)	0.40 - 0.40

Eluate Analysis	**C_2** Concⁿ in 10:1 eluate (mg/l)		**A_2** 10:1 concⁿ leached (mg/kg)	
	Result	**Limit of Detection**	**Result**	**Limit of Detection**

Leach Test Information

Date Prepared	01-Mar-2021
pH (pH Units)	8.60
Conductivity (µS/cm)	138.00
Temperature (°C)	20.40
Volume Leachant (Litres)	0.872

Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Arsenic	0.00836	<0.0005	0.0836	<0.005	-	-	-
Barium	0.0118	<0.0002	0.118	<0.002	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Boron	0.0291	<0.01	0.291	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Chromium	<0.001	<0.001	<0.01	<0.01	-	-	-
Copper	0.00215	<0.0003	0.0215	<0.003	-	-	-
Lead	0.000579	<0.0002	0.00579	<0.002	-	-	-
Nickel	0.0011	<0.0004	0.011	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Vanadium	0.0113	<0.001	0.113	<0.01	-	-	-
Zinc	0.00166	<0.001	0.0166	<0.01	-	-	-

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457

Client Reference		**Site Location**	JHP Land, Tipner West
Mass Sample taken (kg)	0.106	**Natural Moisture Content (%)**	17.6
Mass of dry sample (kg)	0.090	**Dry Matter Content (%)**	85
Particle Size <4mm	>95%		

Case	
SDG	210226-129
Lab Sample Number(s)	23806465
Sampled Date	16-Feb-2021
Customer Sample Ref.	BH3 ESZ
Depth (m)	0.20 - 0.20

Eluate Analysis	**C_2** Concⁿ in 10:1 eluate (mg/l)		**A_2** 10:1 concⁿ leached (mg/kg)	
	Result	**Limit of Detection**	**Result**	**Limit of Detection**

Leach Test Information

Date Prepared	01-Mar-2021
pH (pH Units)	10.51
Conductivity (µS/cm)	156.00
Temperature (°C)	18.30
Volume Leachant (Litres)	0.884

Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Arsenic	0.00145	<0.0005	0.0145	<0.005	-	-	-
Barium	0.00526	<0.0002	0.0526	<0.002	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Boron	0.0331	<0.01	0.331	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Chromium	0.00281	<0.001	0.0281	<0.01	-	-	-
Copper	<0.0003	<0.0003	<0.003	<0.003	-	-	-
Lead	0.00142	<0.0002	0.0142	<0.002	-	-	-
Nickel	0.000407	<0.0004	0.00407	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Vanadium	0.019	<0.001	0.19	<0.01	-	-	-
Zinc	0.00199	<0.001	0.0199	<0.01	-	-	-

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457

Client Reference		**Site Location**	JHP Land, Tipner West
Mass Sample taken (kg)	0.113	**Natural Moisture Content (%)**	24.9
Mass of dry sample (kg)	0.090	**Dry Matter Content (%)**	80.1
Particle Size <4mm	>95%		

Case	
SDG	210226-129
Lab Sample Number(s)	23806503
Sampled Date	15-Feb-2021
Customer Sample Ref.	WS2A ESZ
Depth (m)	0.30 - 0.50

Eluate Analysis	**C_2** Concⁿ in 10:1 eluate (mg/l)		**A_2** 10:1 concⁿ leached (mg/kg)	
	Result	**Limit of Detection**	**Result**	**Limit of Detection**

Leach Test Information

Date Prepared	01-Mar-2021
pH (pH Units)	11.36
Conductivity (µS/cm)	619.00
Temperature (°C)	19.80
Volume Leachant (Litres)	0.878

Mercury Dissolved (CVAF)	0.000011	<0.00001	0.00011	<0.0001	-	-	-
Arsenic	0.000988	<0.0005	0.00988	<0.005	-	-	-
Barium	0.0129	<0.0002	0.129	<0.002	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Boron	0.0862	<0.01	0.862	<0.1	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Chromium	0.00171	<0.001	0.0171	<0.01	-	-	-
Copper	0.00531	<0.0003	0.0531	<0.003	-	-	-
Lead	<0.0002	<0.0002	<0.002	<0.002	-	-	-
Nickel	0.000413	<0.0004	0.00413	<0.004	-	-	-
Selenium	<0.001	<0.001	<0.01	<0.01	-	-	-
Vanadium	0.0122	<0.001	0.122	<0.01	-	-	-
Zinc	<0.001	<0.001	<0.01	<0.01	-	-	-

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Notification of NDPs (No determination possible)

Date Received : 26/02/2021 12:31:29

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
23804562	WS7A ESZ	1.30 - 1.50	Asbestos Quantification - Full	Insufficient Sample
23804562	WS7A ESZ	1.30 - 1.50	Asbestos Quantification - Full	Insufficient Sample
23804562	WS7A ESZ	1.30 - 1.50	Asbestos Quantification - Full	Insufficient Sample
23804641	WS4 ESZ	0.40 - 0.40	Explosives (Standard Suite)*	Insufficient Sample
23804641	WS4 ESZ	0.40 - 0.40	Explosives (Standard Suite)*	Insufficient Sample
23804641	WS4 ESZ	0.40 - 0.40	Explosives (Standard Suite)*	Insufficient Sample

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
PM115		Leaching Procedure for CEN One Stage Leach Test 2:1 & 10:1 1 Step
SUB		Subcontracted Test
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material
TM062 (S)	National Grid Property Holdings Methods for the Collection & Analysis of Samples from National Grid Sites version 1 Sec 3.9	Determination of Phenols in Soils by HPLC
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) by Headspace GC-FID (C4-C12)
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM132	In - house Method	ELTRA CS800 Operators Guide
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM221	Inductively Coupled Plasma - Atomic Emission Spectroscopy. An Atlas of Spectral Information: Winge, Fassel, Peterson and Floyd	Determination of Acid extractable Sulphate in Soils by IRIS Emission Spectrometer
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer
TM304	HSE Contract research Report no 83/1996	Asbestos Quantification in Soil: Fibres identified by morphology only
TM414	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Test Completion Dates

Lab Sample No(s)	23804590	23804598	23804665	23806438	23806449	23806465	23806473	23806481	23804482
Customer Sample Ref.	BH1	BH1	BH2	BH2	BH2	BH3	BH3	BH3	WS1
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	ES	ES
Depth	0.10 - 0.10	2.00 - 2.20	0.20 - 0.20	0.60 - 0.60	3.00 - 3.00	0.20 - 0.20	0.45 - 0.45	0.85 - 0.85	0.20 - 0.20
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Ammonium Soil by Titration	03-Mar-2021	05-Mar-2021	03-Mar-2021	03-Mar-2021	05-Mar-2021		03-Mar-2021	03-Mar-2021	
Asbestos ID in Solid Samples	04-Mar-2021		05-Mar-2021			04-Mar-2021	05-Mar-2021	05-Mar-2021	
Boron Water Soluble	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021		06-Mar-2021	06-Mar-2021	
CEN 10:1 Leachate (1 Stage)						01-Mar-2021			
CEN Readings						03-Mar-2021			
Cyanide Comp/Free/Total/Thiocyanate	04-Mar-2021	02-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021		04-Mar-2021	04-Mar-2021	
Dissolved Metals by ICP-MS						04-Mar-2021			
EPH CWG GC (S)	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	02-Mar-2021		02-Mar-2021	02-Mar-2021	
Explosives (Standard Suite)*			16-Mar-2021						16-Mar-2021
GRO by GC-FID (S)	04-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	04-Mar-2021		04-Mar-2021	04-Mar-2021	
Hexavalent Chromium (s)	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021	03-Mar-2021	
Mercury Dissolved						04-Mar-2021			
Metals in solid samples by OES	09-Mar-2021	08-Mar-2021	09-Mar-2021	04-Mar-2021	05-Mar-2021		04-Mar-2021	04-Mar-2021	
Moisture at 105C						01-Mar-2021			
pH	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021		03-Mar-2021	02-Mar-2021	
Phenols by HPLC (S)	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021		02-Mar-2021	02-Mar-2021	
Sample description	28-Feb-2021	27-Feb-2021	28-Feb-2021	28-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	
Semi Volatile Organic Compounds	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021	04-Mar-2021	
Total Organic Carbon	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021		02-Mar-2021	04-Mar-2021	
Total Sulphate	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021		04-Mar-2021	04-Mar-2021	
TPH CWG GC (S)	04-Mar-2021	05-Mar-2021	05-Mar-2021	05-Mar-2021	04-Mar-2021		04-Mar-2021	04-Mar-2021	
VOC MS (S)	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		03-Mar-2021	03-Mar-2021	

Lab Sample No(s)	23806513	23806518	23806524	23804641	23804654	23804534	23804542	23804547	23804577
Customer Sample Ref.	WS3	WS3	WS3	WS4	WS4	WS5	WS5	WS5	WS8
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	BLK	ES
Depth	0.30 - 0.30	1.00 - 1.00	1.40 - 1.40	0.40 - 0.40	0.80 - 0.80	0.00 - 0.20	0.50 - 0.50	0.70 - 0.70	0.30 - 0.40
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Ammonium Soil by Titration	03-Mar-2021	03-Mar-2021	03-Mar-2021	05-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		
Asbestos ID in Solid Samples	05-Mar-2021	04-Mar-2021	04-Mar-2021	05-Mar-2021		04-Mar-2021	03-Mar-2021		
Asbestos Identification								05-Mar-2021	
Asbestos Quantification - Full	23-Mar-2021	24-Mar-2021	24-Mar-2021			24-Mar-2021			
Boron Water Soluble	03-Mar-2021	06-Mar-2021	03-Mar-2021	06-Mar-2021	04-Mar-2021	06-Mar-2021	06-Mar-2021		
CEN 10:1 Leachate (1 Stage)				02-Mar-2021					
CEN Readings				03-Mar-2021					
Cyanide Comp/Free/Total/Thiocyanate	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	02-Mar-2021	04-Mar-2021		
Dissolved Metals by ICP-MS				04-Mar-2021					
EPH CWG GC (S)	02-Mar-2021	03-Mar-2021	02-Mar-2021	03-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021		
Explosives (Standard Suite)*						16-Mar-2021			16-Mar-2021
GRO by GC-FID (S)	03-Mar-2021	04-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021	04-Mar-2021		
Hexavalent Chromium (s)	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		
Mercury Dissolved				04-Mar-2021					
Metals in solid samples by OES	06-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	08-Mar-2021	04-Mar-2021	04-Mar-2021		
Moisture at 105C				01-Mar-2021					
Organotins on soils*	19-Mar-2021								
pH	03-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	03-Mar-2021	02-Mar-2021		
Phenols by HPLC (S)	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021	02-Mar-2021		
Sample description	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021	27-Feb-2021		
Semi Volatile Organic Compounds	04-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	04-Mar-2021	03-Mar-2021		
Total Organic Carbon	03-Mar-2021	04-Mar-2021	03-Mar-2021	03-Mar-2021	04-Mar-2021	03-Mar-2021	03-Mar-2021		
Total Sulphate	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021		
TPH CWG GC (S)	03-Mar-2021	04-Mar-2021	03-Mar-2021	04-Mar-2021	04-Mar-2021	03-Mar-2021	04-Mar-2021		
VOC MS (S)	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021	03-Mar-2021		

23804566
WS1
ES
0.40 - 0.50
Soil/Solid (S)
01-Mar-2021
03-Mar-2021
04-Mar-2021
04-Mar-2021
01-Mar-2021
27-Feb-2021

23806503
WS2A
ES
0.30 - 0.50
Soil/Solid (S)
05-Mar-2021
04-Mar-2021
06-Mar-2021
01-Mar-2021
02-Mar-2021
04-Mar-2021
04-Mar-2021
03-Mar-2021
04-Mar-2021
03-Mar-2021
03-Mar-2021
04-Mar-2021
01-Mar-2021
19-Mar-2021
02-Mar-2021
02-Mar-2021
27-Feb-2021
04-Mar-2021
04-Mar-2021
03-Mar-2021
04-Mar-2021
03-Mar-2021

Validated

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Lab Sample No(s)	23804550	23804555	23804562
Customer Sample Ref.	WS7A	WS7A	WS7A
AGS Ref.	ES	ES	ES
Depth	0.10 - 0.10	0.60 - 0.80	1.30 - 1.50
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Ammonium Soil by Titration		03-Mar-2021	03-Mar-2021
Asbestos ID in Solid Samples	04-Mar-2021	05-Mar-2021	05-Mar-2021
Boron Water Soluble		06-Mar-2021	04-Mar-2021
Cyanide Comp/Free/Total/Thiocyanate		04-Mar-2021	04-Mar-2021
EPH CWG GC (S)		03-Mar-2021	03-Mar-2021
GRO by GC-FID (S)		05-Mar-2021	04-Mar-2021
Hexavalent Chromium (s)		03-Mar-2021	03-Mar-2021
Metals in solid samples by OES		04-Mar-2021	04-Mar-2021
Organotins on soils*	24-Mar-2021		
pH		02-Mar-2021	02-Mar-2021
Phenols by HPLC (S)		02-Mar-2021	02-Mar-2021
Sample description	06-Mar-2021	28-Feb-2021	28-Feb-2021
Semi Volatile Organic Compounds		03-Mar-2021	04-Mar-2021
Total Organic Carbon		04-Mar-2021	04-Mar-2021
Total Sulphate		04-Mar-2021	04-Mar-2021
TPH CWG GC (S)		05-Mar-2021	04-Mar-2021
VOC MS (S)		03-Mar-2021	03-Mar-2021

ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 2380	QC 2379
Exchangeable Ammonium as NH4	TM024	**88.56** 76.20 : 110.13	**91.54** 76.20 : 110.13

Boron Water Soluble

Component	Method Code	QC 2391	QC 2337	QC 2388	QC 2399	QC 2348
Water Soluble Boron	TM222	**79.0** 84.00 : 111.00	**101.5** 84.00 : 111.00	**97.0** 84.00 : 111.00	**121.5** 84.00 : 111.00	**105.0** 84.00 : 111.00

Component	Method Code	QC 2300
Water Soluble Boron	TM222	**96.5** 84.00 : 111.00

Cyanide Comp/Free/Total/Thiocyanate

Component	Method Code	QC 2377	QC 2316	QC 2381	QC 2396	QC 2358
Free Cyanide	TM153	**97.92** 79.00 : 115.00	**97.33** 79.00 : 115.00	**100.99** 79.00 : 115.00	**102.97** 79.00 : 115.00	**100.99** 79.00 : 115.00
Thiocyanate	TM153	**3032.05** 94.09 : 113.89	**101.28** 94.09 : 113.89	**100.64** 94.09 : 113.89	**103.85** 94.09 : 113.89	**103.85** 94.09 : 113.89
Total Cyanide	TM153	**98.6** 73.07 : 107.47	**100.7** 73.07 : 107.47	**104.2** 73.07 : 107.47	**104.2** 73.07 : 107.47	**105.59** 73.07 : 107.47

Dissolved Metals by ICP-MS

Component	Method Code	QC 2397	QC 2328
Aluminium	TM152	**103.33** 90.98 : 111.82	**102.67** 90.98 : 111.82
Antimony	TM152	**105.0** 90.44 : 113.04	**101.33** 90.44 : 113.04
Arsenic	TM152	**103.5** 88.00 : 112.00	**101.33** 88.00 : 112.00
Barium	TM152	**97.67** 90.20 : 111.19	**102.83** 90.20 : 111.19
Beryllium	TM152	**103.67** 87.77 : 113.97	**104.83** 87.77 : 113.97
Bismuth	TM152	**103.0** 91.90 : 112.20	**99.5** 91.90 : 112.20
Borate	TM152	**103.7** 88.00 : 112.00	**103.7** 88.00 : 112.00
Boron	TM152	**103.67** 96.48 : 114.93	**103.33** 96.48 : 114.93

QC 2394
99.5
84.00 : 111.00

CERTIFICATE OF ANALYSIS

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Dissolved Metals by ICP-MS

		QC 2397	QC 2328
Cadmium	TM152	**103.33** 96.43 : 110.53	**102.67** 96.43 : 110.53
Calcium	TM152	**102.0** 81.38 : 119.09	**101.33** 81.38 : 119.09
Chromium	TM152	**102.33** 91.84 : 108.67	**101.17** 91.84 : 108.67
Cobalt	TM152	**103.0** 88.00 : 112.00	**102.67** 88.00 : 112.00
Copper	TM152	**104.0** 92.47 : 118.11	**103.0** 92.47 : 118.11
Iron	TM152	**102.0** 92.00 : 113.00	**101.33** 92.00 : 113.00
Lead	TM152	**99.17** 88.00 : 112.00	**96.83** 88.00 : 112.00
Lithium	TM152	**102.67** 91.62 : 113.12	**104.0** 91.62 : 113.12
Magnesium	TM152	**98.0** 93.14 : 107.91	**98.0** 93.14 : 107.91
Manganese	TM152	**103.17** 95.03 : 110.58	**101.67** 95.03 : 110.58
Molybdenum	TM152	**101.5** 88.00 : 112.00	**99.0** 88.00 : 112.00
Nickel	TM152	**104.83** 88.00 : 112.00	**103.17** 88.00 : 112.00
Phosphorus	TM152	**100.5** 88.00 : 112.00	**101.0** 88.00 : 112.00
Potassium	TM152	**101.33** 93.90 : 112.36	**100.0** 93.90 : 112.36
Selenium	TM152	**105.67** 91.58 : 115.98	**100.67** 91.58 : 115.98
Silver	TM152	**102.83** 88.80 : 122.30	**95.33** 88.80 : 122.30
Sodium	TM152	**98.67** 94.28 : 110.71	**99.33** 94.28 : 110.71
Strontium	TM152	**104.67** 88.00 : 112.00	**102.67** 88.00 : 112.00
Tellurium	TM152	**101.17** 93.32 : 114.66	**100.5** 93.32 : 114.66
Thallium	TM152	**88.0** 88.00 : 112.00	**83.0** 88.00 : 112.00
Tin	TM152	**104.33** 92.63 : 109.70	**102.0** 92.63 : 109.70
Titanium	TM152	**102.0** 95.58 : 111.68	**104.5** 95.58 : 111.68
Tungsten	TM152	**101.83** 81.32 : 124.72	**99.0** 81.32 : 124.72
Uranium	TM152	**103.17** 88.00 : 112.00	**98.67** 88.00 : 112.00
Vanadium	TM152	**101.67** 88.00 : 112.00	**101.0** 88.00 : 112.00
Zinc	TM152	**103.33** 92.98 : 118.95	**102.0** 92.98 : 118.95

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

EPH CWG GC (S)

Component	Method Code	QC 2358
EPH >C8-C40 Raw	TM414	**98.47** 58.74 : 124.10
Total Aliphatics Raw	TM414	**107.29** 64.15 : 136.53
Total Aromatics Raw	TM414	**90.08** 57.33 : 145.15

GRO by GC-FID (S)

Component	Method Code	QC 2388	QC 2375	QC 2327	QC 2346
QC	TM089	**81.59** 72.28 : 114.54	**79.84** 70.34 : 111.95	**82.67** 70.75 : 114.19	**81.43** 70.75 : 114.19

Hexavalent Chromium (s)

Component	Method Code	QC 2312	QC 2325	QC 2361	QC 2306	QC 2337
Hexavalent Chromium	TM151	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20	**102.0** 92.00 : 111.20

Mercury Dissolved

Component	Method Code	QC 2340	QC 2342
Mercury Dissolved (CVAF)	TM183	**88.9** 69.30 : 128.70	**91.0** 69.30 : 128.70

Metals in solid samples by OES

Component	Method Code	QC 2354	QC 2392	QC 2334	QC 2377	QC 2393
Aluminium	TM181	**84.25** 77.46 : 123.98	**85.13** 77.46 : 123.98	**82.12** 73.56 : 108.85	**107.96** 77.46 : 123.98	**95.58** 77.46 : 123.98
Antimony	TM181	**89.84** 87.04 : 111.16	**84.55** 87.04 : 111.16	**91.46** 76.89 : 111.24	**115.85** 87.04 : 111.16	**100.0** 87.04 : 111.16
Arsenic	TM181	**92.15** 87.34 : 110.87	**93.9** 87.34 : 110.87	**100.87** 88.53 : 111.01	**113.08** 87.34 : 110.87	**105.52** 87.34 : 110.87
Barium	TM181	**91.19** 80.73 : 115.16	**90.73** 80.73 : 115.16	**84.22** 77.67 : 105.35	**111.01** 80.73 : 115.16	**92.66** 80.73 : 115.16
Beryllium	TM181	**93.66** 89.47 : 112.97	**94.78** 89.47 : 112.97	**88.81** 85.44 : 109.61	**111.57** 89.47 : 112.97	**101.87** 89.47 : 112.97
Boron	TM181	**82.23** 76.57 : 104.15	**83.09** 76.57 : 104.15	**85.1** 73.51 : 104.66	**96.28** 76.57 : 104.15	**90.83** 76.57 : 104.15
Cadmium	TM181	**81.89** 78.94 : 102.43	**83.13** 78.94 : 102.43	**84.77** 77.67 : 104.12	**101.65** 78.94 : 102.43	**91.77** 78.94 : 102.43
Chromium	TM181	**84.99** 77.55 : 104.47	**87.22** 77.55 : 104.47	**81.95** 77.55 : 104.47	**99.19** 77.55 : 104.47	**87.63** 77.55 : 104.47

QC 2351
95.58 77.46 : 123.98
92.68 87.04 : 111.16
97.38 87.34 : 110.87
88.07 80.73 : 115.16
95.9 89.47 : 112.97
85.67 76.57 : 104.15
86.42 78.94 : 102.43
84.58 77.55 : 104.47

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
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Metals in solid samples by OES

		QC 2354	QC 2392	QC 2334	QC 2377	QC 2393
Cobalt	TM181	**83.33** 82.95 : 107.41	**83.65** 82.95 : 107.41	**86.79** 84.60 : 104.13	**101.57** 82.95 : 107.41	**97.17** 82.95 : 107.41
Copper	TM181	**88.2** 84.36 : 106.14	**88.73** 84.36 : 106.14	**83.45** 82.40 : 105.45	**107.04** 84.36 : 106.14	**97.36** 84.36 : 106.14
Iron	TM181	**89.68** 81.43 : 115.79	**88.1** 81.43 : 115.79	**88.89** 82.95 : 110.58	**109.52** 81.43 : 115.79	**95.24** 81.43 : 115.79
Lead	TM181	**85.14** 81.95 : 107.63	**94.59** 81.95 : 107.63	**93.02** 78.24 : 104.05	**100.9** 81.95 : 107.63	**96.4** 81.95 : 107.63
Manganese	TM181	**106.11** 94.29 : 119.51	**106.67** 94.29 : 119.51	**101.11** 94.29 : 119.51	**121.39** 94.29 : 119.51	**106.94** 94.29 : 119.51
Mercury	TM181	**89.61** 82.73 : 106.36	**90.1** 82.73 : 106.36	**90.1** 83.16 : 107.81	**108.21** 82.73 : 106.36	**103.38** 82.73 : 106.36
Molybdenum	TM181	**90.12** 86.61 : 111.07	**91.77** 86.61 : 111.07	**94.65** 87.11 : 106.87	**110.7** 86.61 : 111.07	**105.76** 86.61 : 111.07
Nickel	TM181	**82.89** 79.72 : 103.80	**84.11** 79.72 : 103.80	**86.55** 80.26 : 102.28	**100.0** 79.72 : 103.80	**96.33** 79.72 : 103.80
Phosphorus	TM181	**110.71** 92.65 : 125.47	**114.55** 92.65 : 125.47	**105.66** 94.56 : 124.28	**115.76** 92.65 : 125.47	**115.76** 92.65 : 125.47
Selenium	TM181	**94.12** 88.36 : 111.25	**95.69** 88.36 : 111.25	**90.98** 82.28 : 110.48	**112.16** 88.36 : 111.25	**105.49** 88.36 : 111.25
Strontium	TM181	**84.86** 78.06 : 99.91	**84.41** 78.06 : 99.91	**83.74** 79.13 : 102.79	**105.79** 78.06 : 99.91	**91.31** 78.06 : 99.91
Thallium	TM181	**93.81** 88.60 : 116.73	**93.81** 88.60 : 116.73	**87.61** 82.94 : 111.86	**111.5** 88.60 : 116.73	**107.08** 88.60 : 116.73
Tin	TM181	**90.49** 89.77 : 112.62	**91.25** 89.77 : 112.62	**90.87** 86.72 : 110.03	**112.17** 89.77 : 112.62	**103.04** 89.77 : 112.62
Titanium	TM181	**72.6** 66.29 : 105.96	**75.57** 66.29 : 105.96	**80.92** 66.23 : 102.06	**80.92** 66.29 : 105.96	**74.05** 66.29 : 105.96
Vanadium	TM181	**86.45** 75.51 : 108.87	**85.71** 75.51 : 108.87	**90.11** 75.51 : 108.87	**108.42** 75.51 : 108.87	**91.58** 75.51 : 108.87
Zinc	TM181	**92.2** 84.02 : 111.24	**93.02** 84.02 : 111.24	**90.55** 84.68 : 113.99	**109.45** 84.02 : 111.24	**103.9** 84.02 : 111.24

Component	Method Code	QC 2363	QC 2330	QC 2307	QC 2355
Aluminium	TM181	**85.93** 77.46 : 123.98	**60.88** 77.46 : 123.98	**94.69** 73.56 : 108.85	**108.85** 73.56 : 108.85
Antimony	TM181	**95.53** 87.04 : 111.16	**77.64** 87.04 : 111.16	**67.48** 76.89 : 111.24	**97.56** 76.89 : 111.24
Arsenic	TM181	**97.38** 87.34 : 110.87	**100.87** 87.34 : 110.87	**99.13** 88.53 : 111.01	**106.98** 88.53 : 111.01
Barium	TM181	**91.28** 80.73 : 115.16	**80.09** 80.73 : 115.16	**96.33** 77.67 : 105.35	**104.59** 77.67 : 105.35
Beryllium	TM181	**94.78** 89.47 : 112.97	**99.63** 89.47 : 112.97	**100.0** 85.44 : 109.61	**106.34** 85.44 : 109.61
Boron	TM181	**82.52** 76.57 : 104.15	**66.76** 76.57 : 104.15	**90.83** 73.51 : 104.66	**100.29** 73.51 : 104.66
Cadmium	TM181	**94.24** 78.94 : 102.43	**85.6** 78.94 : 102.43	**90.53** 77.67 : 104.12	**97.12** 77.67 : 104.12
Chromium	TM181	**86.21** 77.55 : 104.47	**81.14** 77.55 : 104.47	**84.58** 79.64 : 105.83	**97.36** 79.64 : 105.83
Cobalt	TM181	**90.57** 82.95 : 107.41	**91.82** 82.95 : 107.41	**90.25** 84.60 : 104.13	**98.74** 84.60 : 104.13

QC 2351
88.68 82.95 : 107.41
86.8 84.36 : 106.14
93.65 81.43 : 115.79
88.29 81.95 : 107.63
103.33 94.29 : 119.51
93.48 82.73 : 106.36
93.42 86.61 : 111.07
88.51 79.72 : 103.80
100.61 92.65 : 125.47
91.76 88.36 : 111.25
88.42 78.06 : 99.91
92.48 88.60 : 116.73
96.2 89.77 : 112.62
80.92 66.29 : 105.96
95.24 75.51 : 108.87
94.66 84.02 : 111.24

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Metals in solid samples by OES

		QC 2363	QC 2330	QC 2307	QC 2355
Copper	TM181	**90.14** 84.36 : 106.14	**90.85** 84.36 : 106.14	**91.9** 82.40 : 105.45	**103.35** 82.40 : 105.45
Iron	TM181	**88.89** 81.43 : 115.79	**75.63** 81.43 : 115.79	**97.62** 82.95 : 110.58	**108.73** 82.95 : 110.58
Lead	TM181	**90.99** 81.95 : 107.63	**92.34** 81.95 : 107.63	**91.67** 78.24 : 104.05	**101.58** 78.24 : 104.05
Manganese	TM181	**100.56** 94.29 : 119.51	**105.83** 94.29 : 119.51	**106.94** 94.29 : 119.51	**119.44** 94.29 : 119.51
Mercury	TM181	**93.24** 82.73 : 106.36	**99.76** 82.73 : 106.36	**97.58** 83.16 : 107.81	**102.9** 83.16 : 107.81
Molybdenum	TM181	**97.12** 86.61 : 111.07	**100.41** 86.61 : 111.07	**94.24** 87.11 : 106.87	**100.82** 87.11 : 106.87
Nickel	TM181	**89.49** 79.72 : 103.80	**89.24** 79.72 : 103.80	**89.73** 80.26 : 102.28	**99.76** 80.26 : 102.28
Phosphorus	TM181	**104.65** 92.65 : 125.47	**105.45** 92.65 : 125.47	**105.86** 94.56 : 124.28	**118.38** 94.56 : 124.28
Selenium	TM181	**94.51** 88.36 : 111.25	**98.43** 88.36 : 111.25	**100.39** 82.28 : 110.48	**110.2** 82.28 : 110.48
Strontium	TM181	**85.08** 78.06 : 99.91	**76.39** 78.06 : 99.91	**93.99** 79.13 : 102.79	**104.45** 79.13 : 102.79
Thallium	TM181	**98.23** 88.60 : 116.73	**88.94** 88.60 : 116.73	**96.46** 82.94 : 111.86	**107.96** 82.94 : 111.86
Tin	TM181	**94.3** 89.77 : 112.62	**100.76** 89.77 : 112.62	**98.48** 86.72 : 110.03	**109.51** 86.72 : 110.03
Titanium	TM181	**61.07** 66.29 : 105.96	**57.18** 66.29 : 105.96	**84.73** 66.23 : 102.06	**86.26** 66.23 : 102.06
Vanadium	TM181	**84.25** 75.51 : 108.87	**83.15** 75.51 : 108.87	**97.44** 86.19 : 109.45	**105.13** 86.19 : 109.45
Zinc	TM181	**95.69** 84.02 : 111.24	**89.94** 84.02 : 111.24	**98.56** 84.68 : 113.99	**110.68** 84.68 : 113.99

pH

Component	Method Code	QC 2333	QC 2356	QC 2324	QC 2362	QC 2370
pH	TM133	**101.58** 98.71 : 102.32	**100.66** 98.71 : 102.32	**99.74** 98.71 : 102.32	**100.53** 98.71 : 102.32	**99.21** 97.97 : 101.10

Component	Method Code	QC 2399
pH	TM133	**100.4** 97.97 : 101.10

Phenols by HPLC (S)

QC 2375
100.13
97.97 : 101.10

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Phenols by HPLC (S)

Component	Method Code	QC 2372	QC 2374	QC 2376	QC 2383	QC 2388
2.3.5 Trimethyl-Phenol by HPLC (S)	TM062 (S)	**48.7** 70.71 : 116.42	**52.6** 68.54 : 123.77	**52.6** 68.54 : 123.77	**49.35** 70.71 : 116.42	**49.35** 70.71 : 116.42
2-Isopropyl Phenol by HPLC (S)	TM062 (S)	**43.27** 64.54 : 117.79	**45.61** 68.54 : 123.77	**47.37** 68.54 : 123.77	**44.44** 64.54 : 117.79	**43.86** 64.54 : 117.79
Catechol by HPLC (S)	TM062 (S)	**12.38** 22.43 : 157.02	**16.19** 19.39 : 135.70	**12.38** 19.39 : 135.70	**11.43** 22.43 : 157.02	**15.24** 22.43 : 157.02
Cresols by HPLC (S)	TM062 (S)	**45.93** 74.40 : 108.98	**44.68** 77.98 : 111.41	**45.72** 77.98 : 111.41	**47.18** 74.40 : 108.98	**46.97** 74.40 : 108.98
Napthol by HPLC (S)	TM062 (S)	**26.43** 47.22 : 132.72	**31.43** 57.50 : 102.50	**35.71** 57.50 : 102.50	**30.71** 47.22 : 132.72	**30.71** 47.22 : 132.72
Phenol by HPLC (S)	TM062 (S)	**49.67** 69.44 : 122.18	**49.01** 68.24 : 117.99	**50.33** 68.24 : 117.99	**50.99** 69.44 : 122.18	**50.99** 69.44 : 122.18
Resorcinol HPLC (S)	TM062 (S)	**50.31** 71.43 : 129.59	**47.17** 69.99 : 127.22	**49.06** 69.99 : 127.22	**51.57** 71.43 : 129.59	**54.09** 71.43 : 129.59
Xylenols by HPLC (S)	TM062 (S)	**45.94** 76.56 : 106.38	**48.33** 88.23 : 104.42	**49.17** 88.23 : 104.42	**46.87** 76.56 : 106.38	**46.67** 76.56 : 106.38

Semi Volatile Organic Compounds

Component	Method Code	QC 2385	QC 2331	QC 2301
4-Bromophenylphenylether (Soil)	TM157	**88.5** 66.75 : 125.25	**100.5** 66.75 : 125.25	**93.5** 63.50 : 114.50
Benzo(a)anthracene (Soil)	TM157	**105.0** 67.40 : 120.50	**119.5** 67.40 : 120.50	**96.0** 71.89 : 120.91
Hexachlorobutadiene (Soil)	TM157	**109.5** 68.25 : 126.75	**111.5** 68.25 : 126.75	**93.0** 69.80 : 117.77
Naphthalene (Soil)	TM157	**103.5** 67.55 : 125.45	**107.5** 67.55 : 125.45	**93.5** 70.00 : 115.00
Nitrobenzene (Soil)	TM157	**90.5** 66.50 : 123.50	**101.0** 66.50 : 123.50	**91.0** 70.00 : 118.00
Phenol (Soil)	TM157	**97.0** 69.92 : 114.02	**105.0** 69.92 : 114.02	**85.0** 72.00 : 117.00

Total Organic Carbon

Component	Method Code	QC 2380	QC 2314	QC 2325	QC 2364	QC 2392
Total Organic Carbon	TM132	**101.56** 87.02 : 113.45	**100.78** 87.02 : 113.45	**98.05** 87.02 : 113.45	**100.39** 87.02 : 113.45	**94.53** 87.02 : 113.45

Total Sulphate

Component	Method Code	QC 2342	QC 2369	QC 2304	QC 2322	QC 2393
Total Sulphate	TM221	**108.33** 70.62 : 121.50	**96.21** 70.62 : 121.50	**90.91** 70.62 : 121.50	**96.97** 70.62 : 121.50	**96.97** 70.62 : 121.50

VOC MS (S)

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

Component	Method Code	QC 2391	QC 2385
1,1,1,2-tetrachloroethane	TM116	**92.0** 84.84 : 116.25	**90.4** 84.84 : 116.25
1,1,1-Trichloroethane	TM116	**91.8** 73.73 : 118.05	**95.2** 73.73 : 118.05
1,1,2-Trichloroethane	TM116	**98.4** 77.12 : 116.04	**91.6** 77.12 : 116.04
1,1-Dichloroethane	TM116	**99.4** 74.46 : 129.15	**108.8** 74.46 : 129.15
1,2-Dichloroethane	TM116	**109.2** 92.38 : 131.65	**104.4** 92.38 : 131.65
1,4-Dichlorobenzene	TM116	**104.4** 83.64 : 126.18	**98.2** 83.64 : 126.18
2-Chlorotoluene	TM116	**95.4** 76.03 : 113.25	**86.2** 76.03 : 113.25
4-Chlorotoluene	TM116	**93.0** 66.90 : 112.46	**90.0** 66.90 : 112.46
Benzene	TM116	**98.8** 88.60 : 113.80	**101.6** 88.60 : 113.80
Carbon Disulphide	TM116	**95.0** 74.91 : 122.14	**106.0** 74.91 : 122.14
Carbontetrachloride	TM116	**97.0** 80.31 : 124.50	**97.6** 80.31 : 124.50
Chlorobenzene	TM116	**96.6** 83.81 : 114.18	**96.8** 83.81 : 114.18
Chloroform	TM116	**99.0** 87.40 : 122.49	**108.0** 87.40 : 122.49
Chloromethane	TM116	**100.0** 65.89 : 136.93	**110.0** 65.89 : 136.93
Cis-1,2-Dichloroethene	TM116	**98.6** 80.67 : 126.72	**105.8** 80.67 : 126.72
Dibromomethane	TM116	**100.4** 73.23 : 118.35	**94.6** 73.23 : 118.35
Dichloromethane	TM116	**112.4** 81.11 : 133.25	**115.6** 81.11 : 133.25
Ethylbenzene	TM116	**84.2** 75.92 : 110.41	**82.8** 75.92 : 110.41
Hexachlorobutadiene	TM116	**45.6** 12.82 : 152.73	**61.0** 12.82 : 152.73
Isopropylbenzene	TM116	**71.8** 55.79 : 97.59	**69.0** 55.79 : 97.59
Naphthalene	TM116	**101.8** 80.86 : 128.81	**103.8** 80.86 : 128.81
o-Xylene	TM116	**81.2** 69.99 : 108.74	**78.0** 69.99 : 108.74
p/m-Xylene	TM116	**80.0** 68.32 : 108.91	**77.6** 68.32 : 108.91
Sec-Butylbenzene	TM116	**58.8** 38.50 : 101.50	**63.2** 38.50 : 101.50
Tetrachloroethene	TM116	**91.4** 76.95 : 121.02	**91.0** 76.95 : 121.02
Toluene	TM116	**91.0** 74.24 : 107.42	**89.6** 74.24 : 107.42

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

VOC MS (S)

		QC 2391	QC 2385
Trichloroethene	TM116	**92.4** 85.28 : 109.36	**93.0** 85.28 : 109.36
Trichlorofluoromethane	TM116	**99.0** 84.55 : 133.27	**107.0** 84.55 : 133.27
Vinyl Chloride	TM116	**97.6** 68.02 : 143.37	**110.6** 68.02 : 143.37

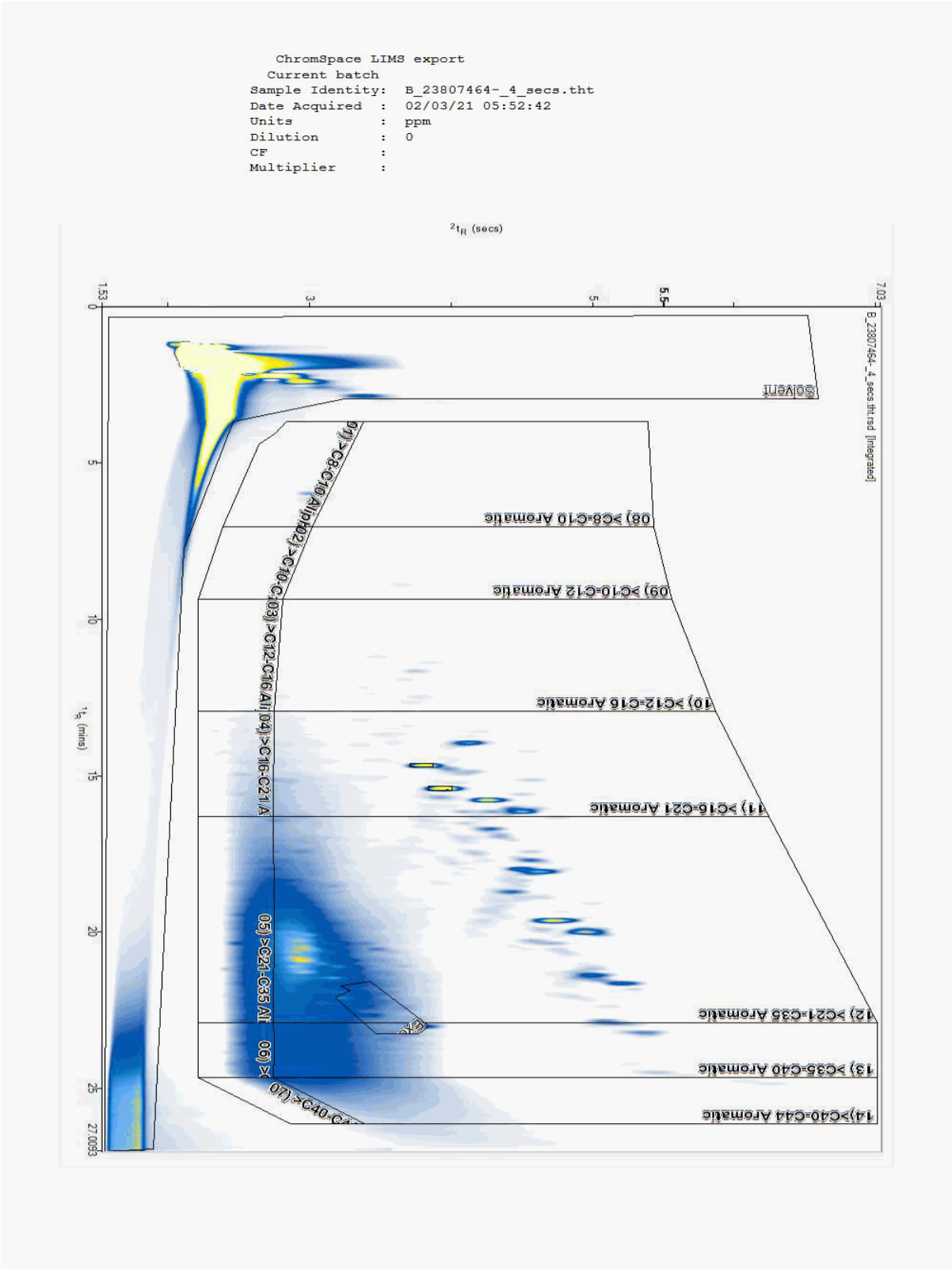
The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23807464 **Sample ID :** WS5 **Depth :** 0.50 - 0.50

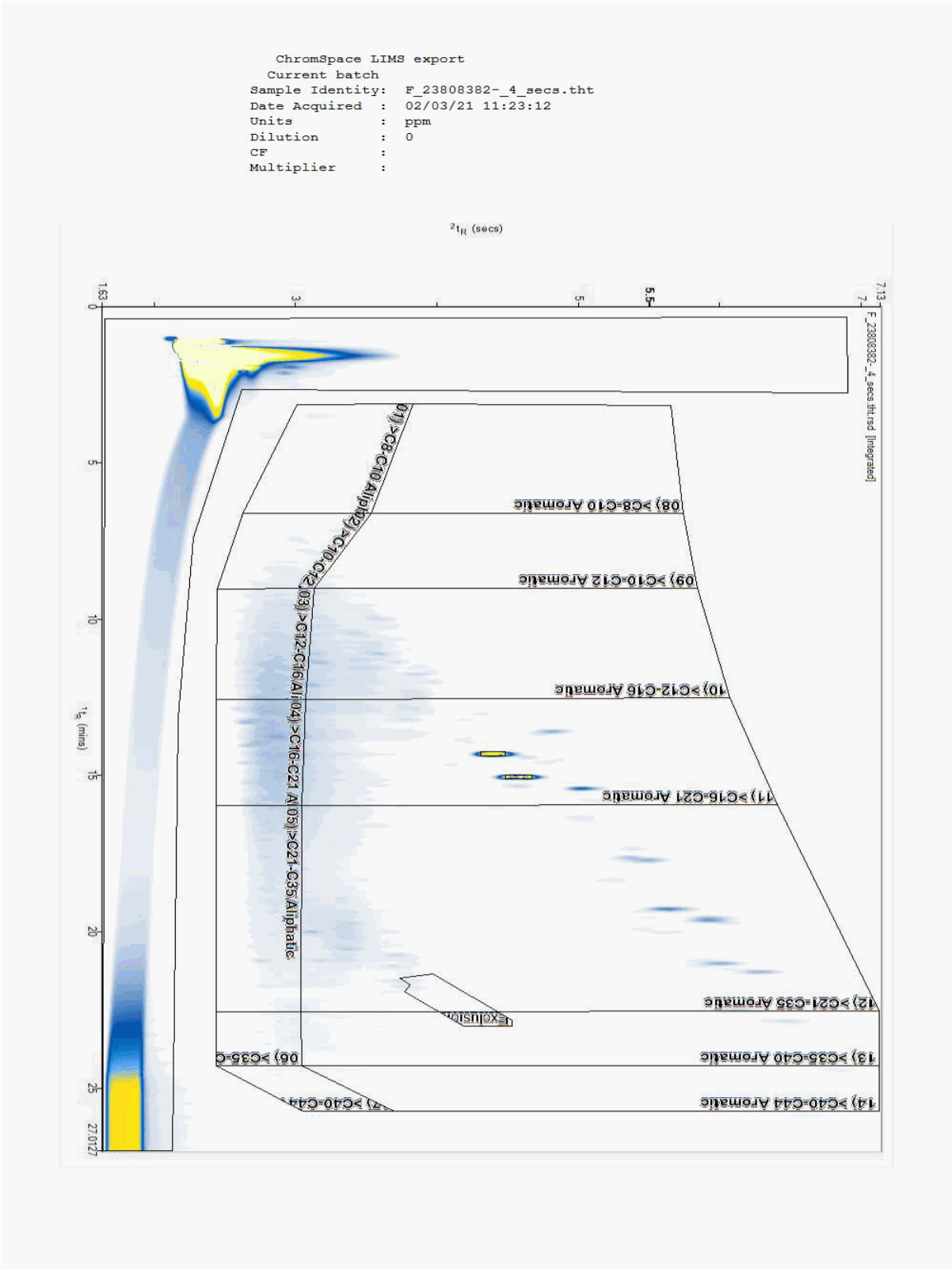


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23808382 **Sample ID :** WS3 **Depth :** 1.00 - 1.00



CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23809187 **Sample ID :** WS5 **Depth :** 0.00 - 0.20

```
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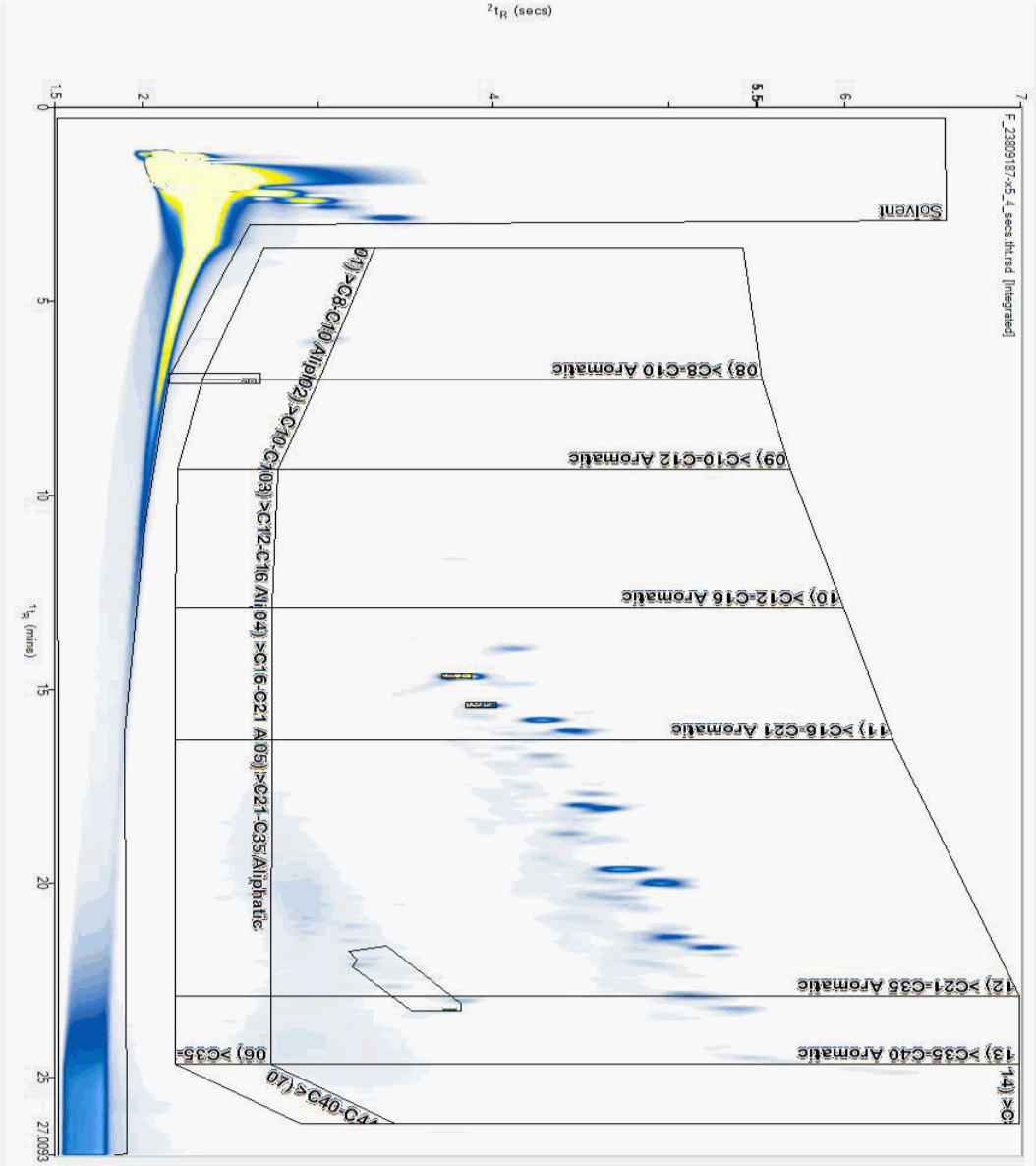
  Current batch
Sample Identity:  F_23809187-x5_4_secs.tht
Date Acquired   :  02/03/21 05:52:42
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



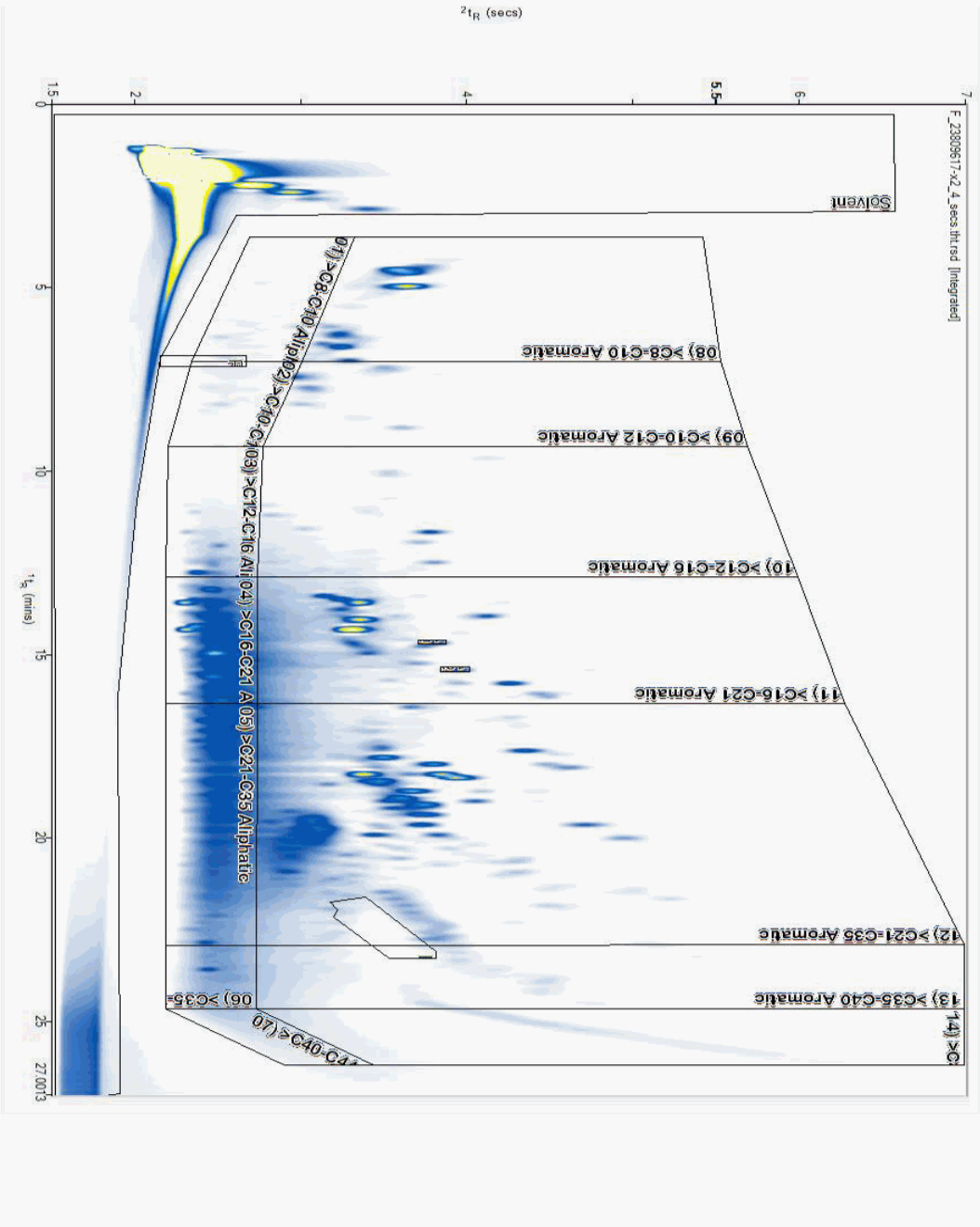
CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23809617 **Sample ID :** WS3 **Depth :** 0.30 - 0.30

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  F_23809617-x2_4_secs.tht
Date Acquired   :  02/03/21 05:11:50
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```

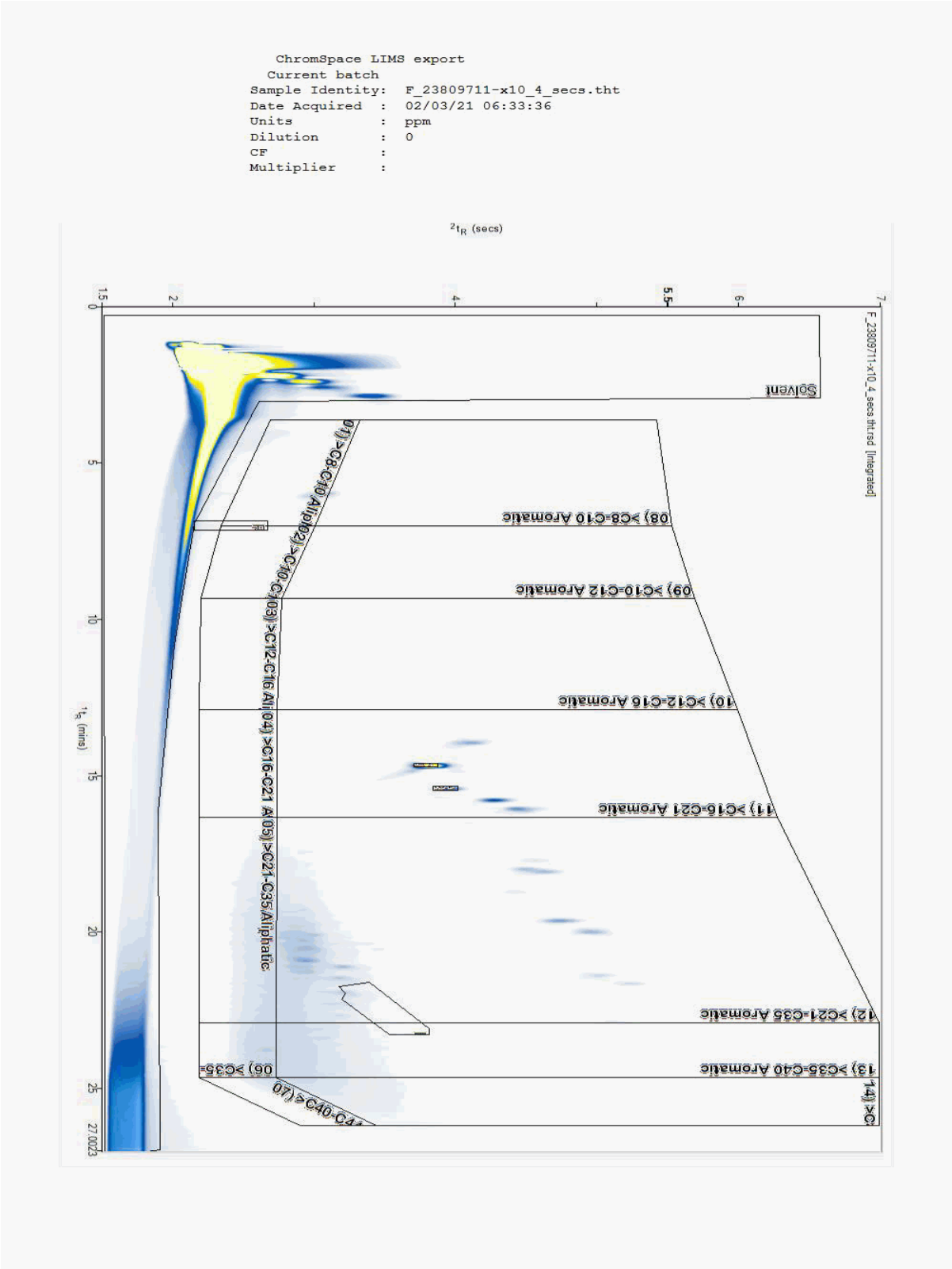


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23809711 **Sample ID :** WS3 **Depth :** 1.40 - 1.40



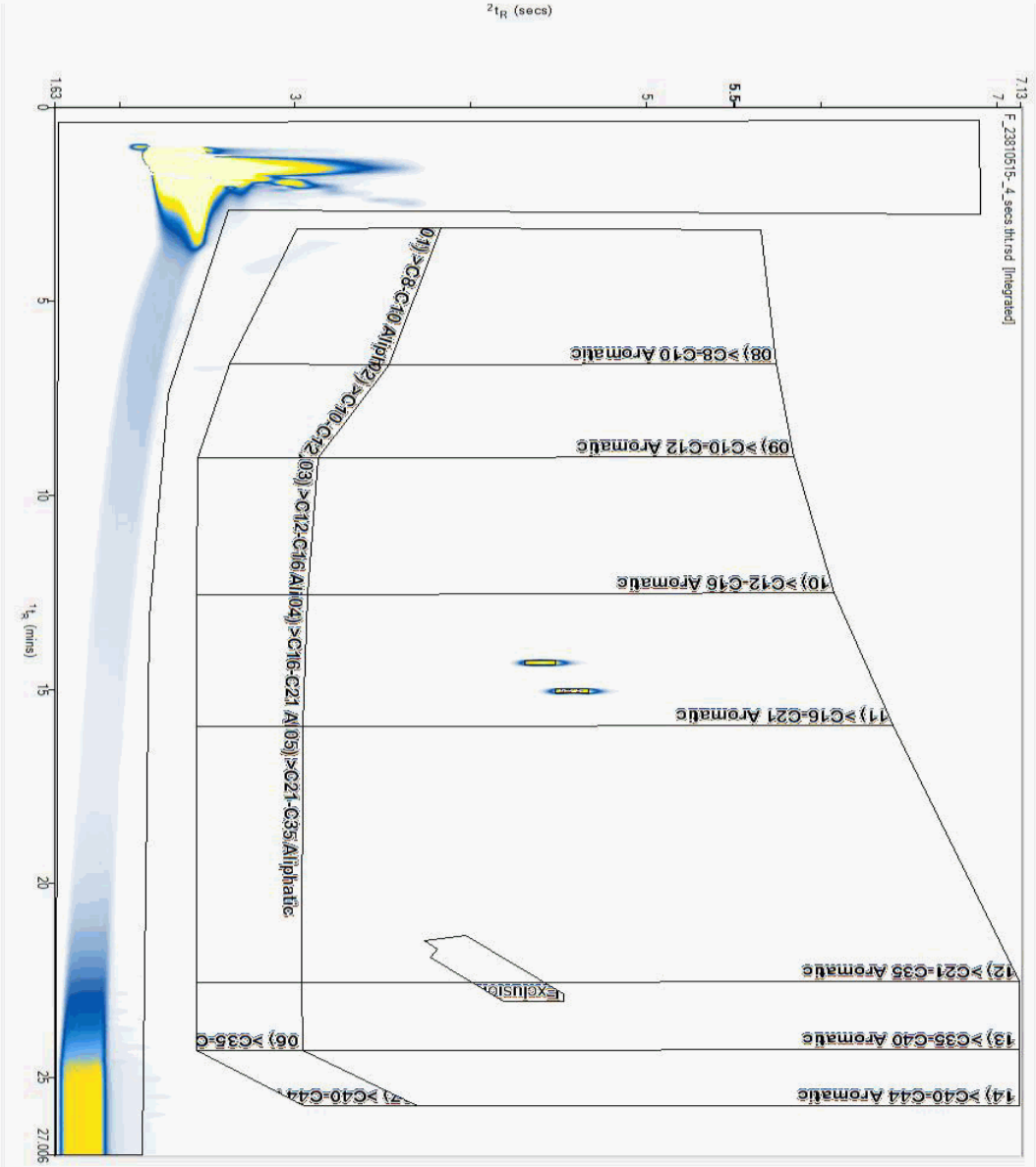
CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23810515 **Sample ID :** BH1 **Depth :** 2.00 - 2.20

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  F_23810515-_4_secs.tht
Date Acquired   :  02/03/21 05:19:30
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23812306 **Sample ID :** WS2A **Depth :** 0.30 - 0.50

```
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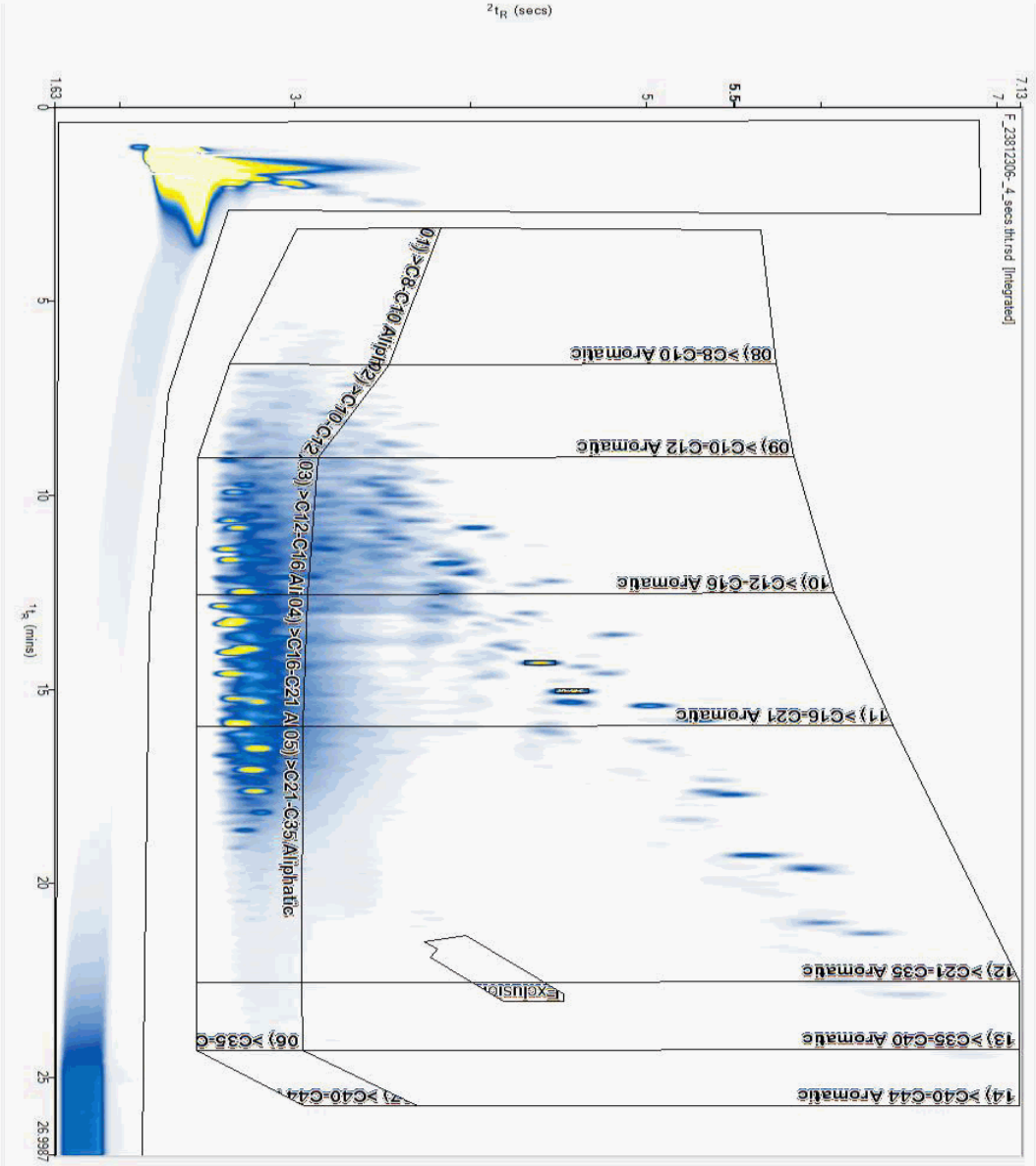
  Current batch
Sample Identity:  F_23812306-_4_secs.tht
Date Acquired   :  03/03/21 12:02:57
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```

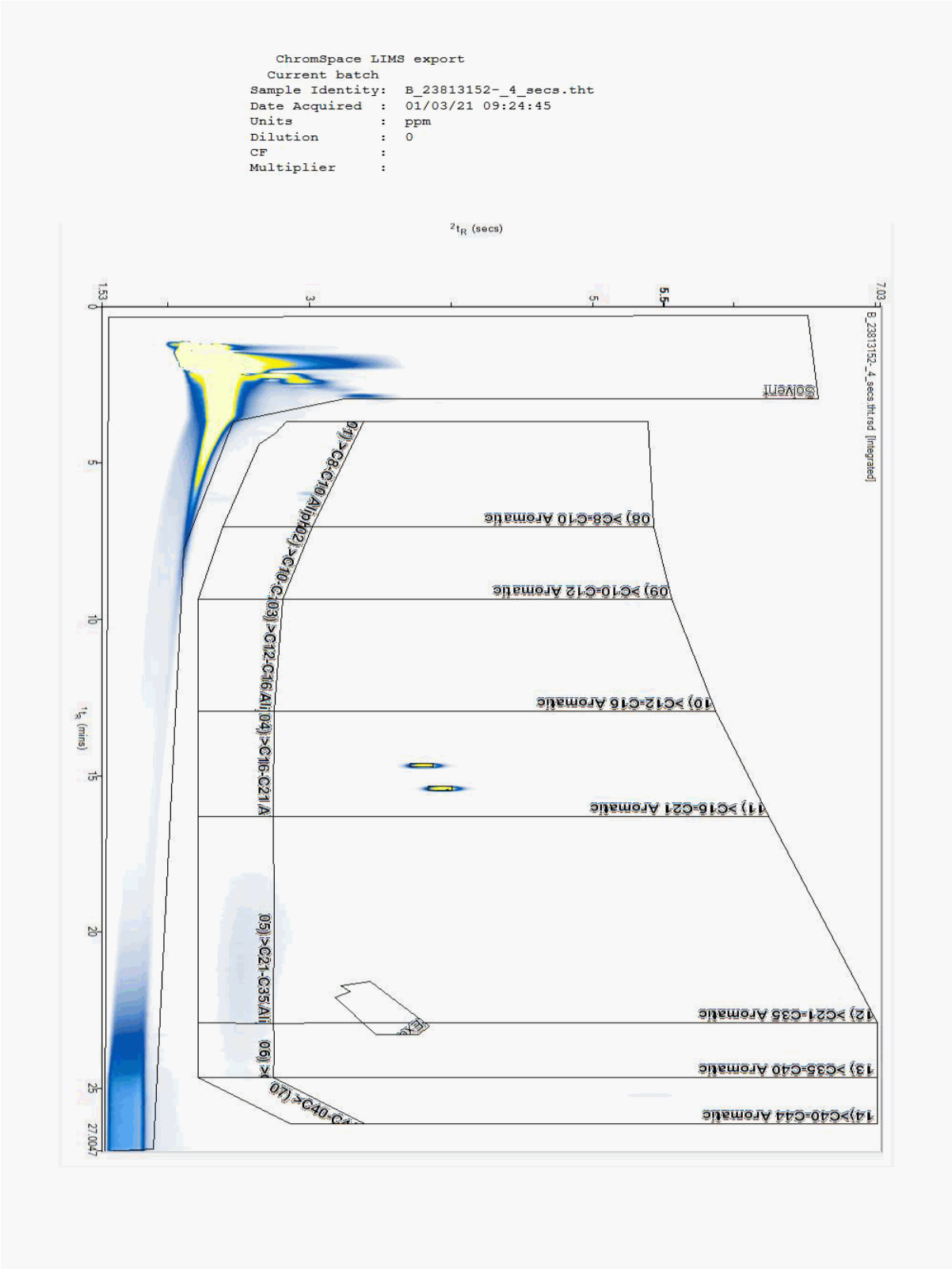


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813152 **Sample ID :** WS4 **Depth :** 0.80 - 0.80



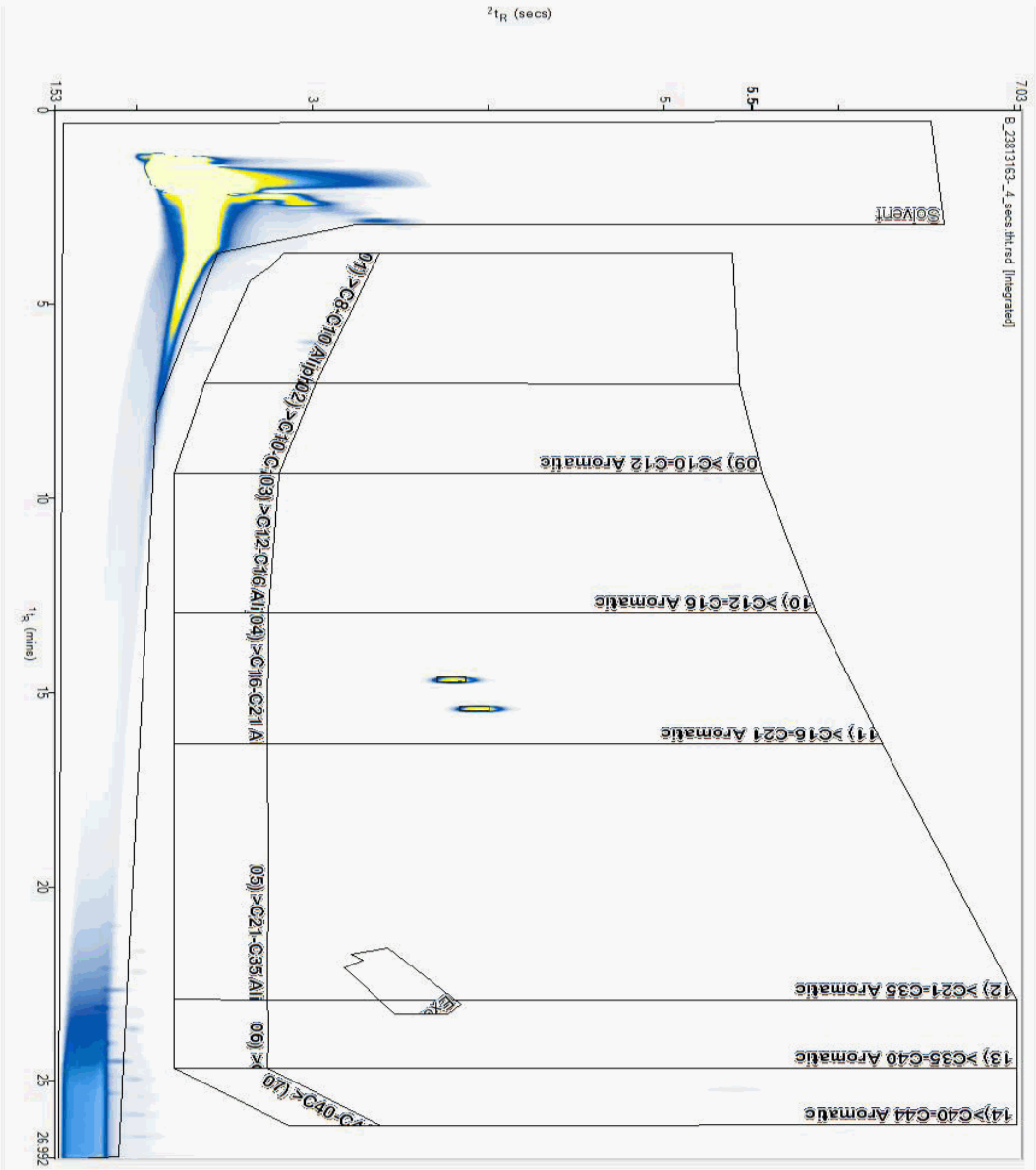
CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813163 **Sample ID :** BH2 **Depth :** 3.00 - 3.00

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  B_23813163-_4_secs.tht
Date Acquired   :  01/03/21 08:22:04
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```

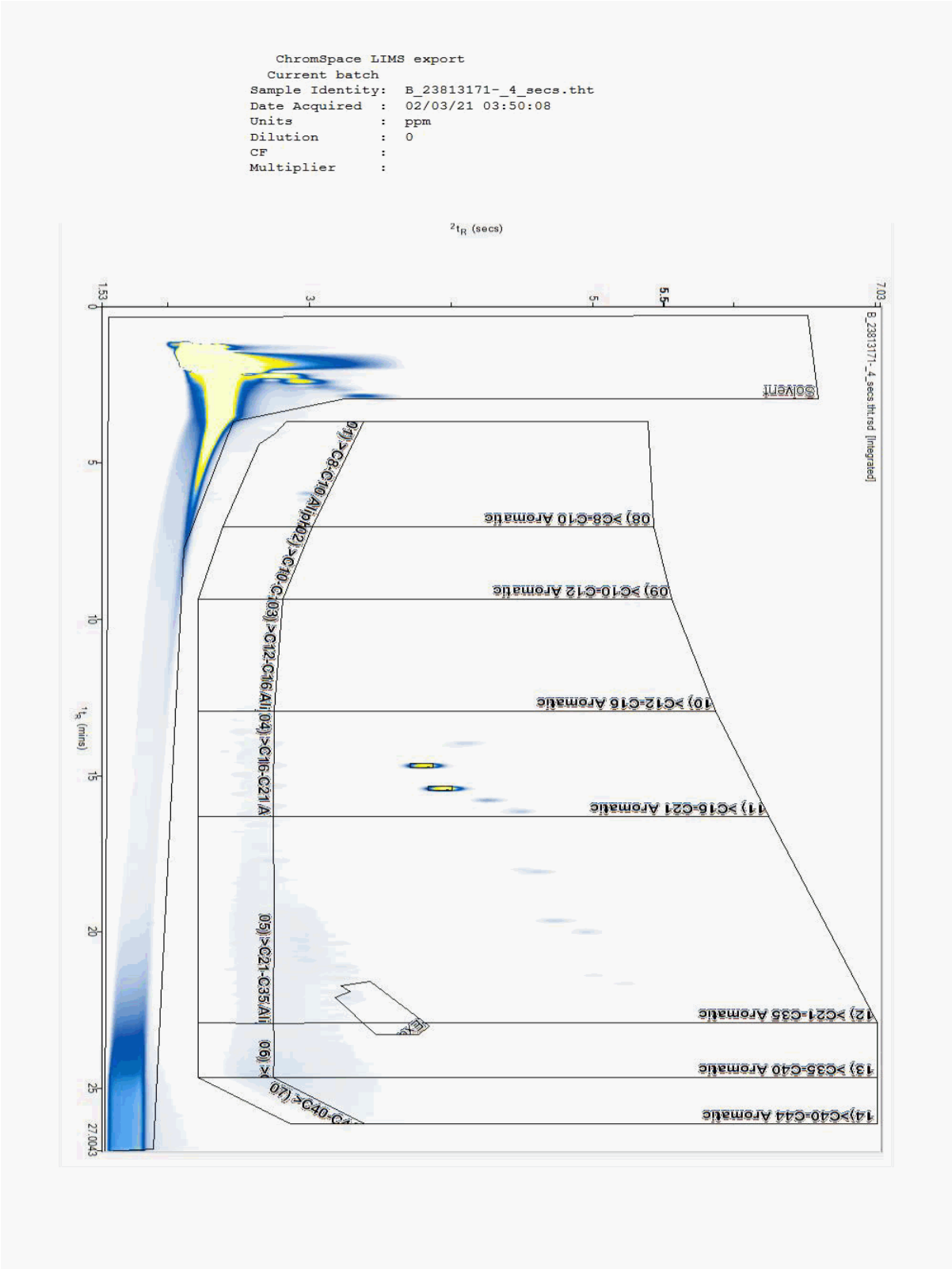


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813171 **Sample ID :** BH3 **Depth :** 0.45 - 0.45



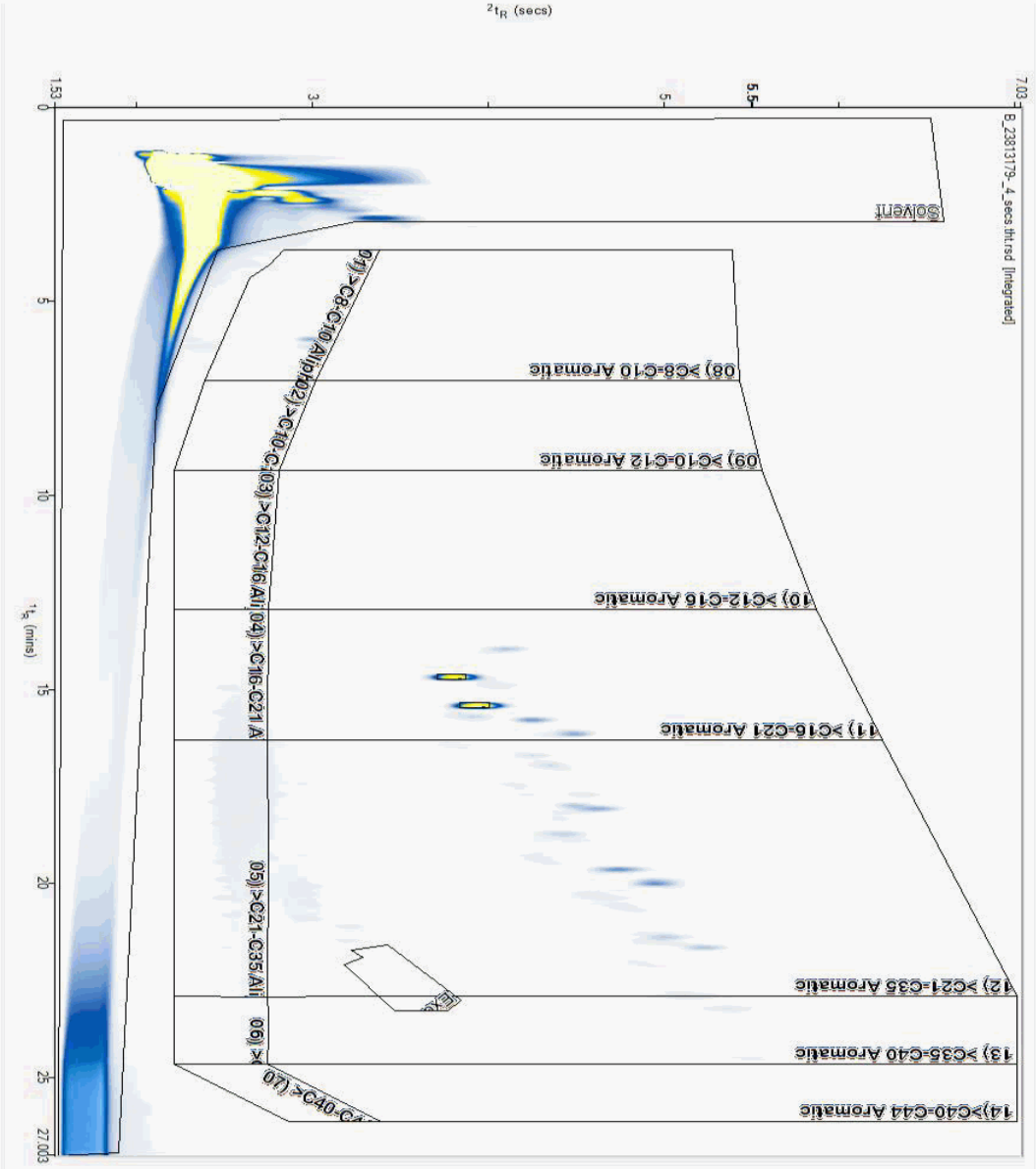
CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813179 **Sample ID :** BH3 **Depth :** 0.85 - 0.85

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  B_23813179-_4_secs.tht
Date Acquired   :  02/03/21 02:37:59
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813211 **Sample ID :** WS4 **Depth :** 0.40 - 0.40

```
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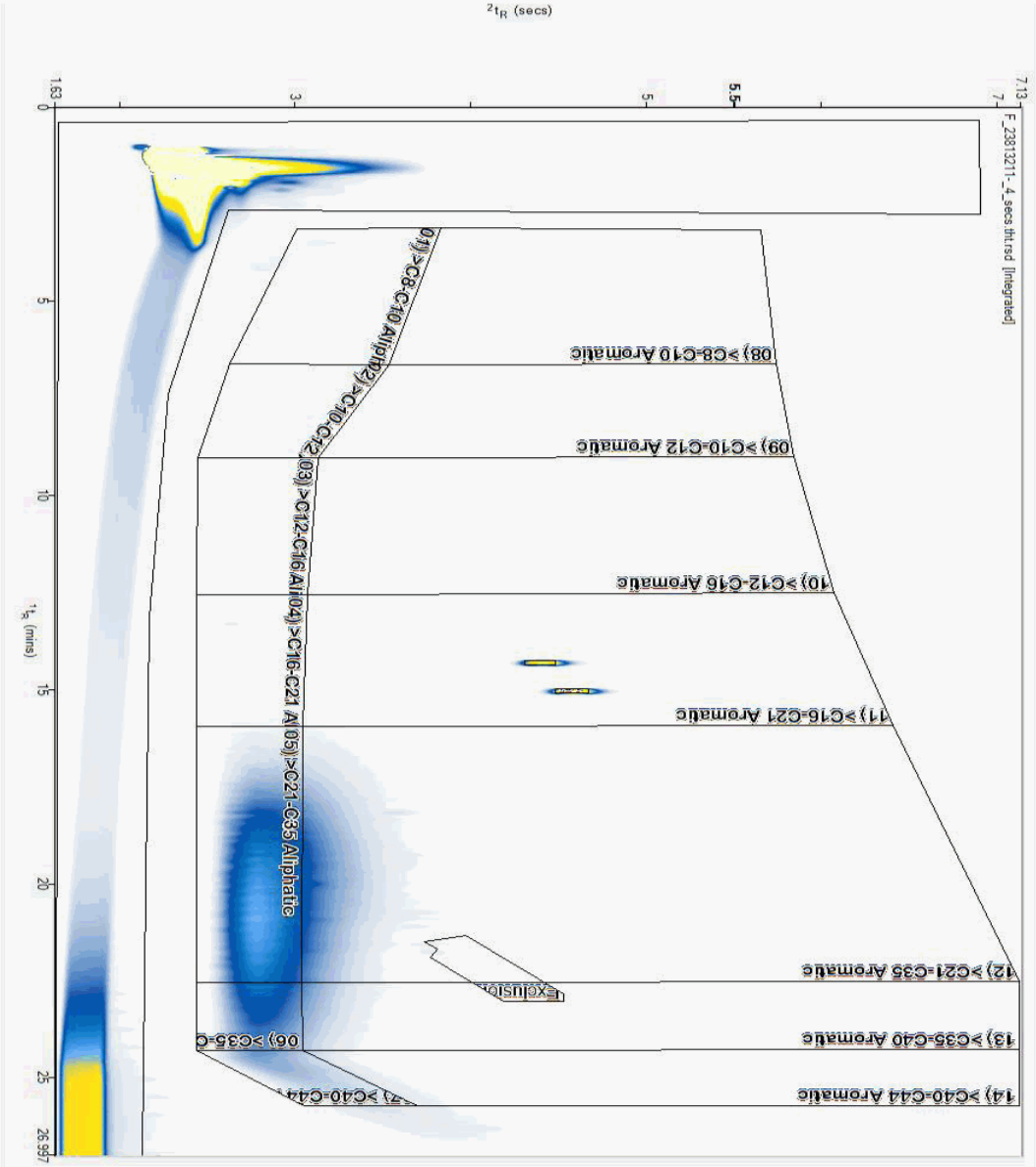
  Current batch
Sample Identity:  F_23813211-_4_secs.tht
Date Acquired   :  02/03/21 06:20:40
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813219 **Depth :** 0.60 - 0.60
Sample ID : BH2

```
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Sample Identity:  F_23813219-_4_secs.tht
Date Acquired   :  02/03/21 03:47:47
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
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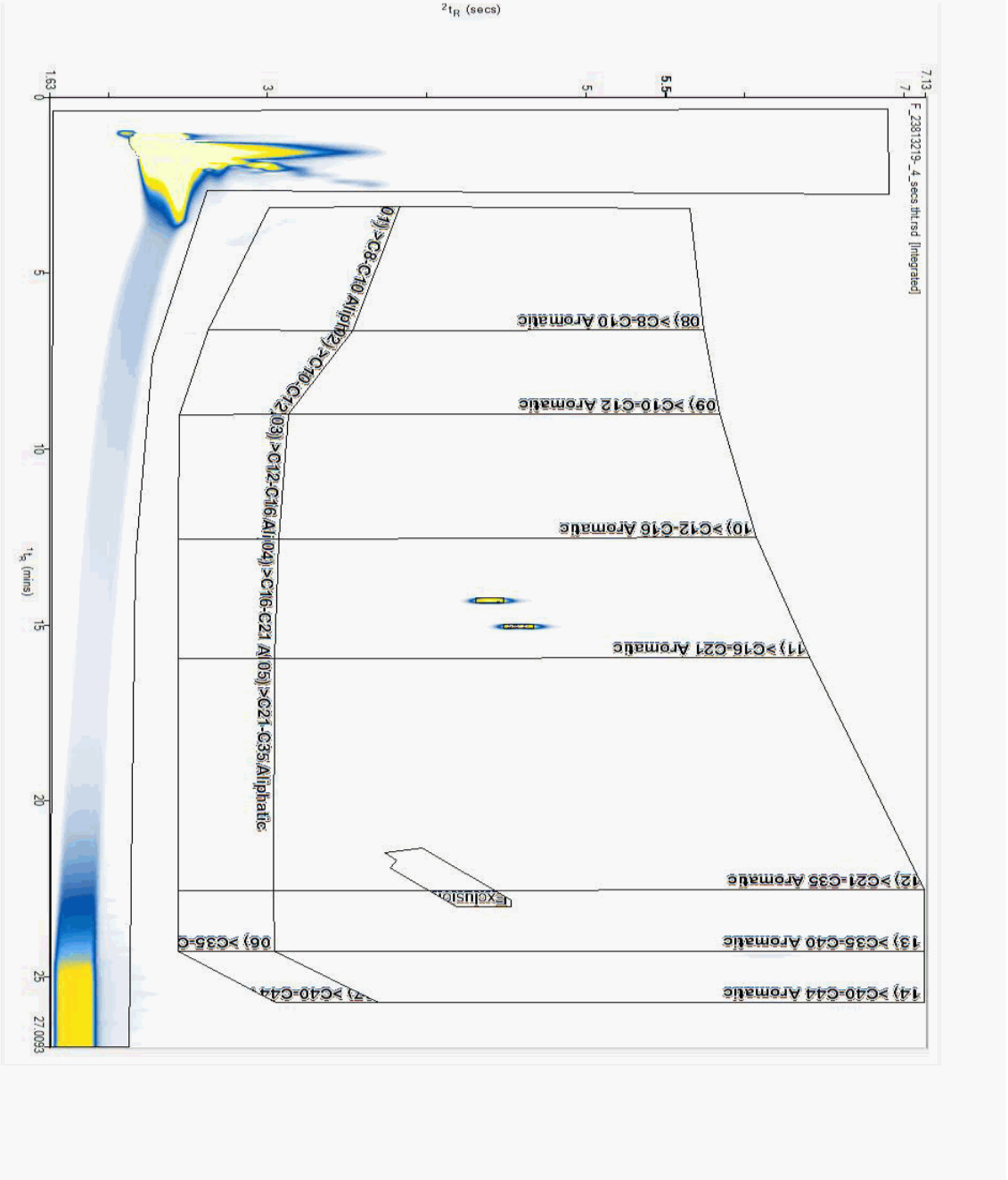
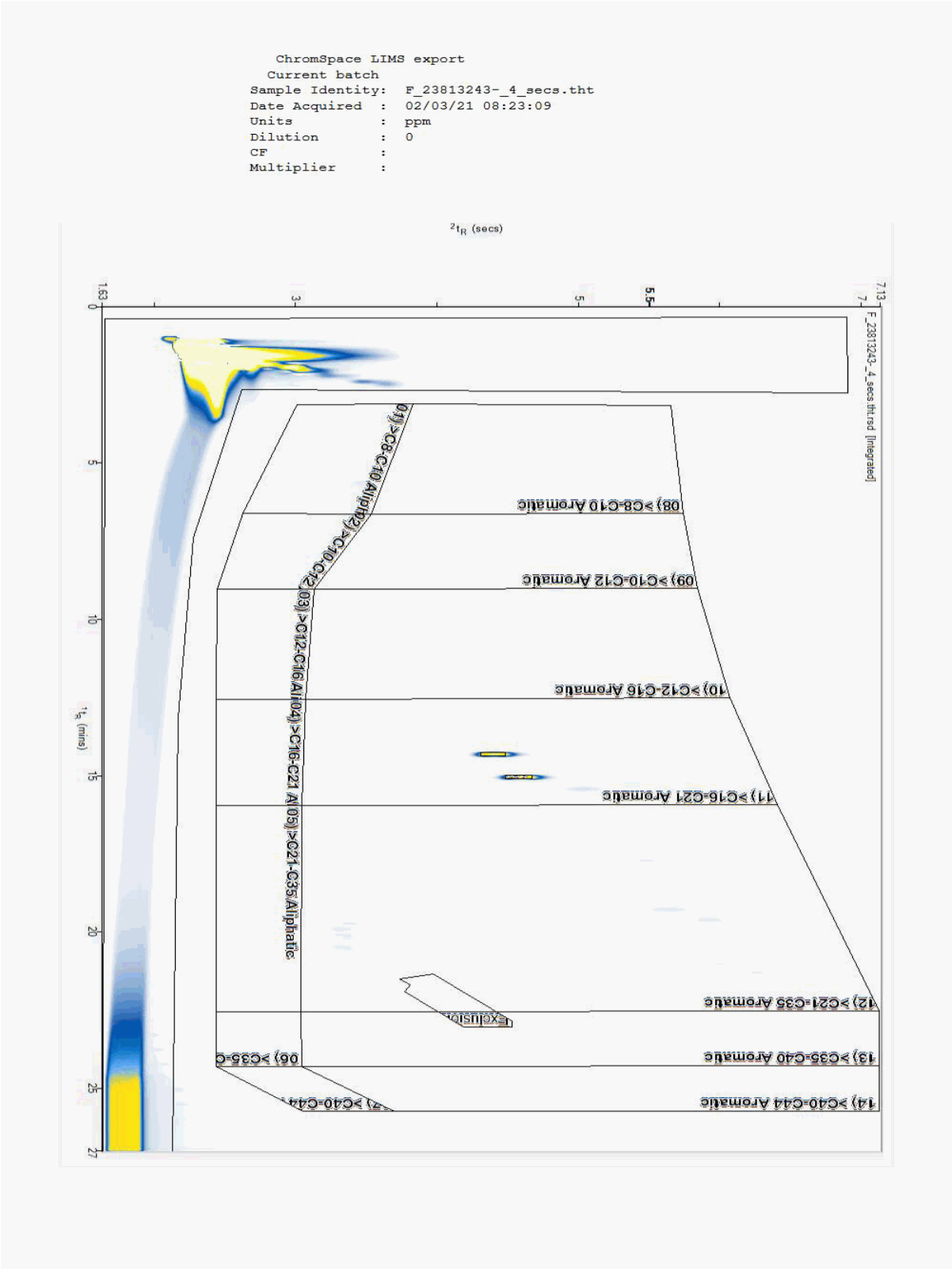


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813243 **Sample ID :** WS7A **Depth :** 0.60 - 0.80

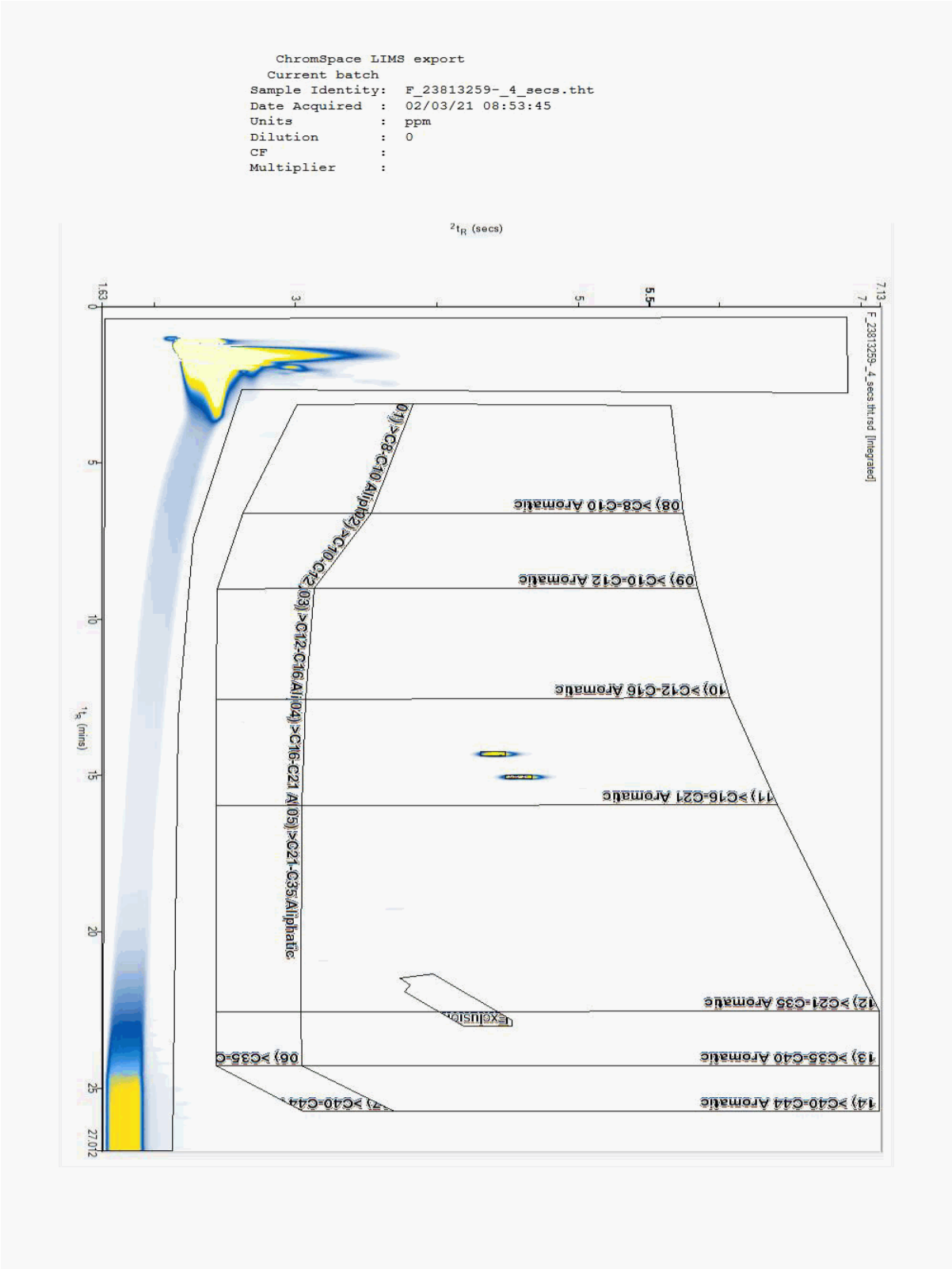


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813259 **Sample ID :** WS7A **Depth :** 1.30 - 1.50



CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813541 **Sample ID :** BH1 **Depth :** 0.10 - 0.10

```
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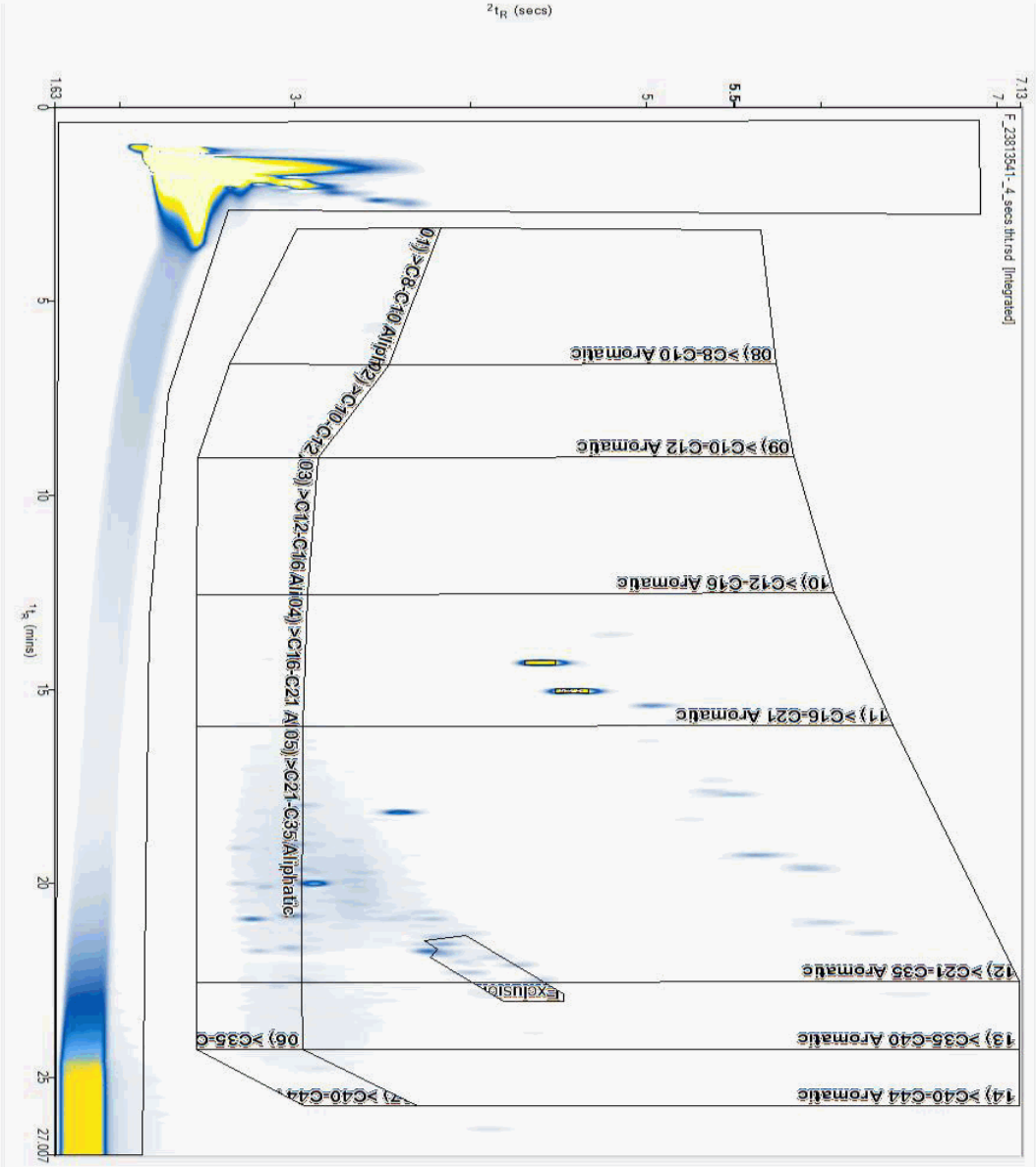
  Current batch
Sample Identity:  F_23813541-_4_secs.tht
Date Acquired   :  02/03/21 09:24:19
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
```



CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: EPH CWG GC (S) **Sample No :** 23813554 **Sample ID :** BH2 **Depth :** 0.20 - 0.20

```
   ChromSpace LIMS export
  Current batch
Sample Identity:  F_23813554-_4_secs.tht
Date Acquired   :  02/03/21 06:51:17
Units           :  ppm
Dilution        :  0
CF              :
Multiplier      :
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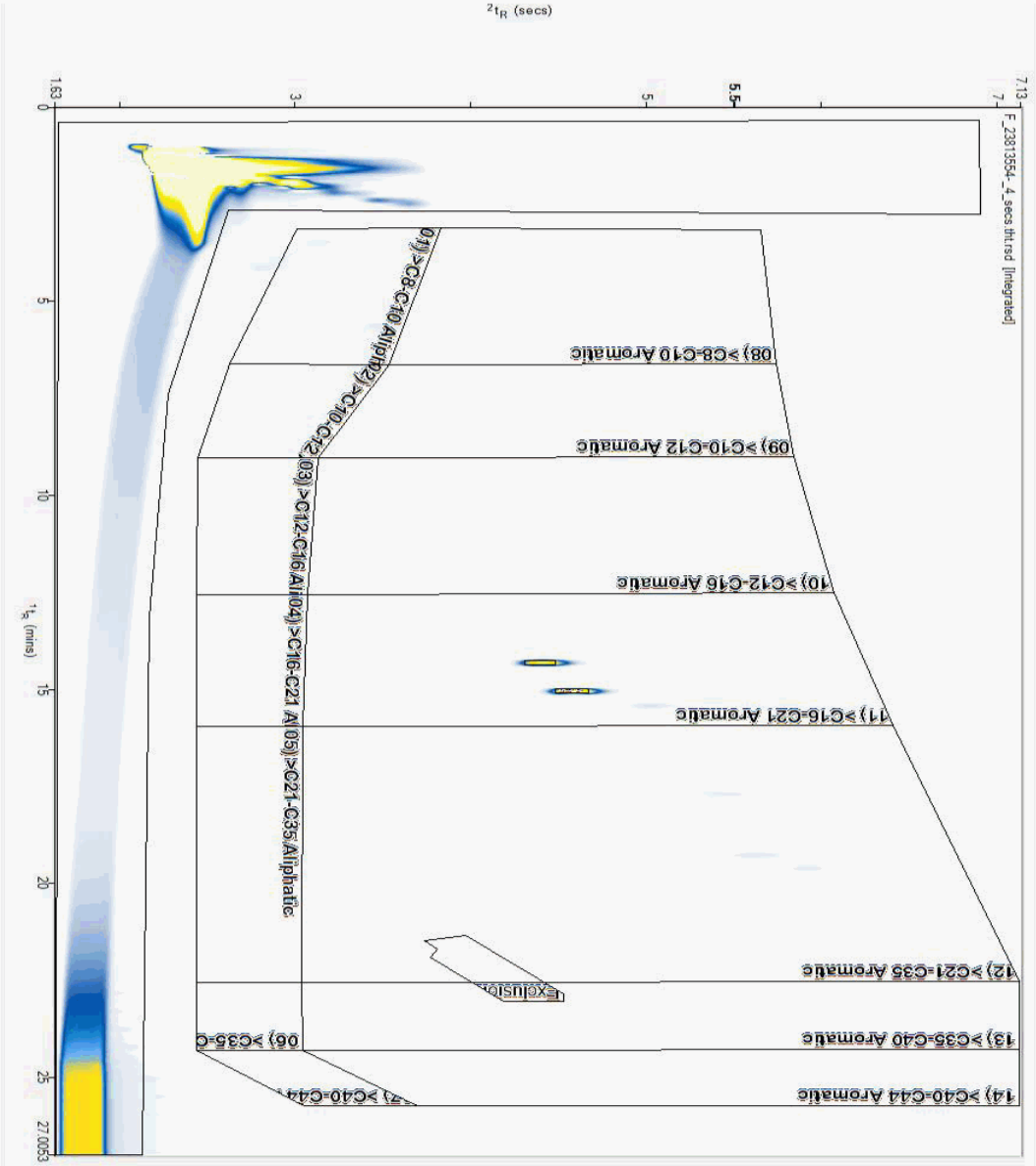


CERTIFICATE OF ANALYSIS

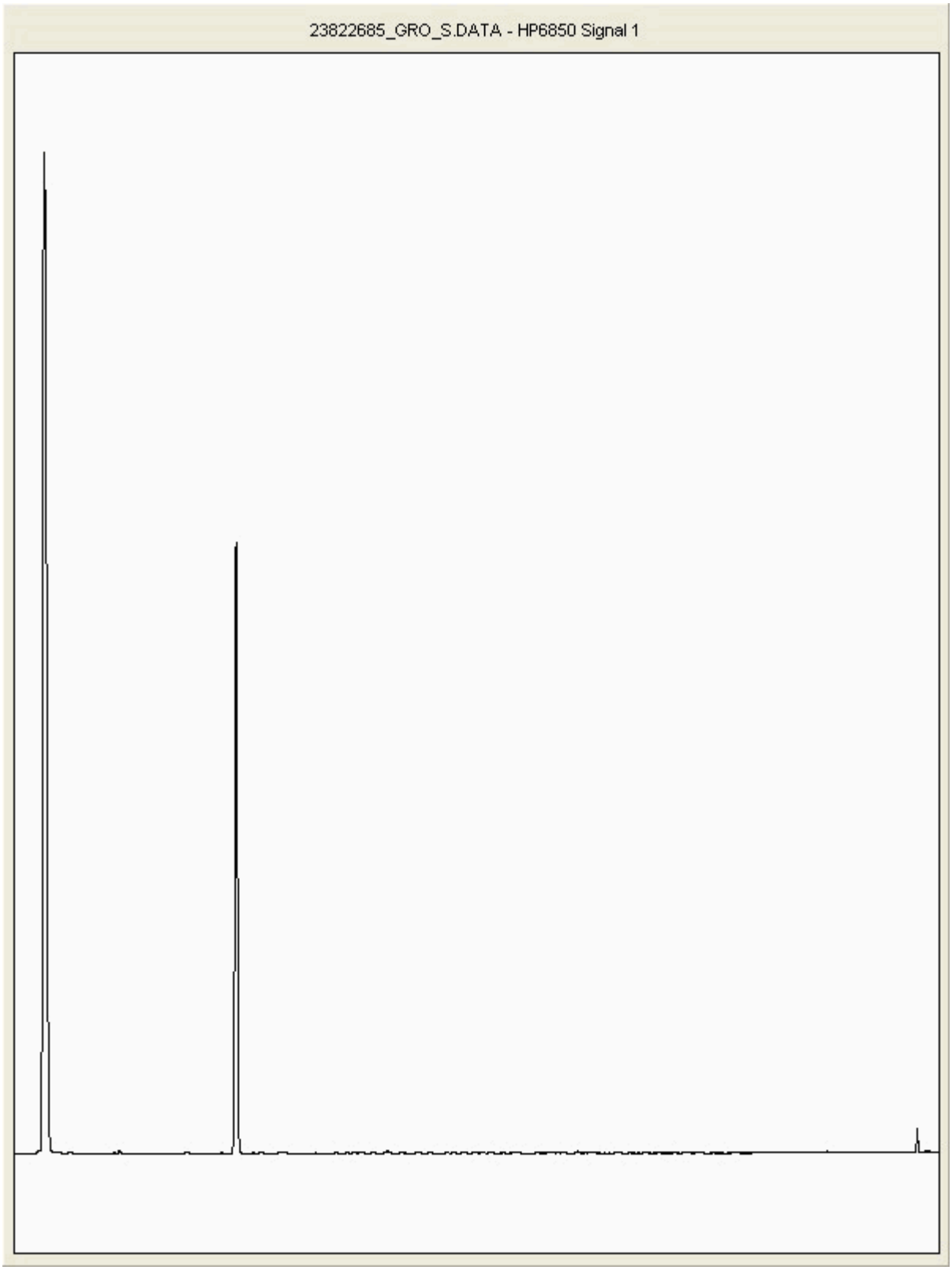
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822685
Sample ID : WS5

Depth : 0.00 - 0.20



CERTIFICATE OF ANALYSIS

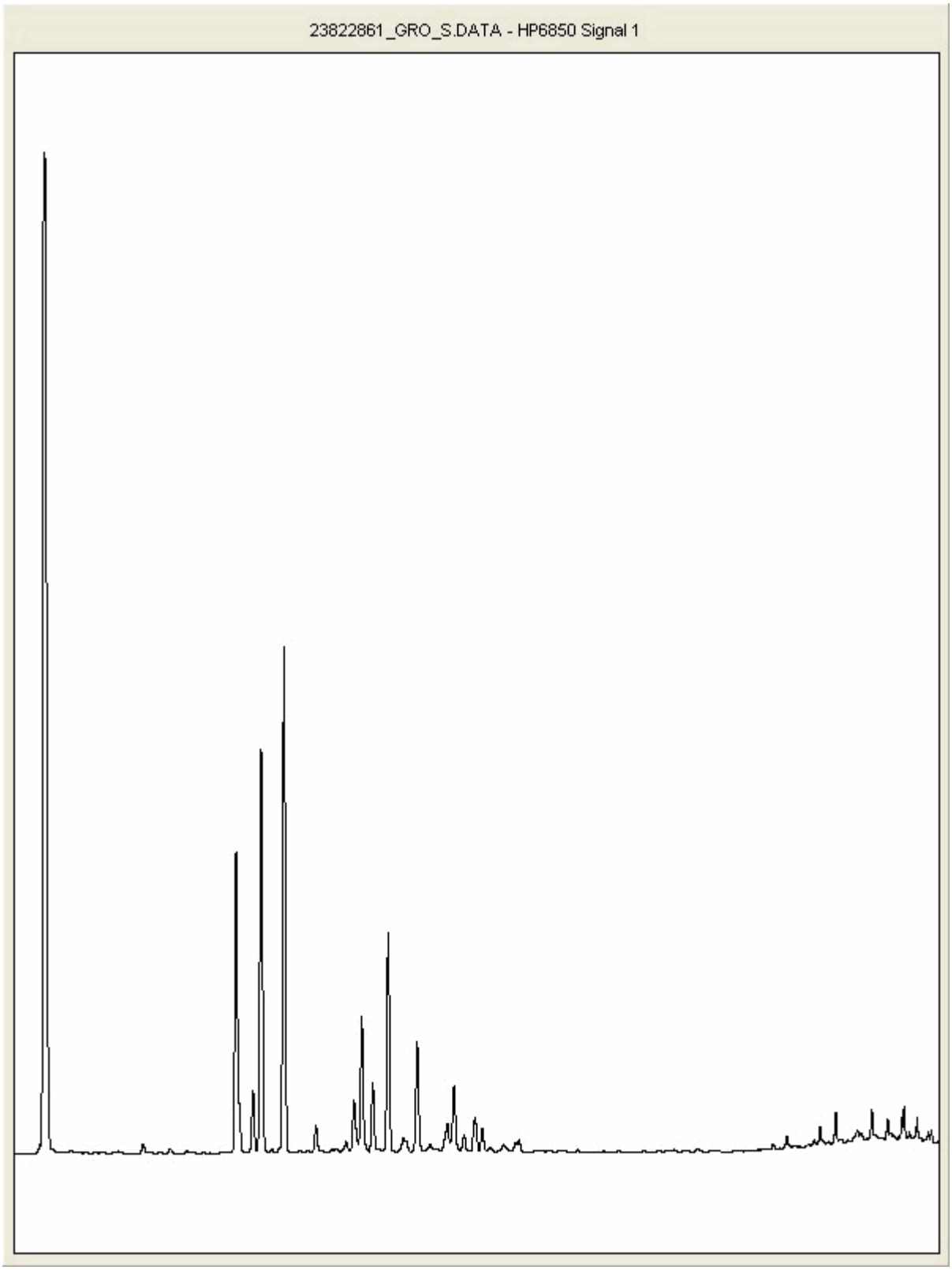
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822861
Sample ID : WS3

Depth : 0.30 - 0.30



CERTIFICATE OF ANALYSIS

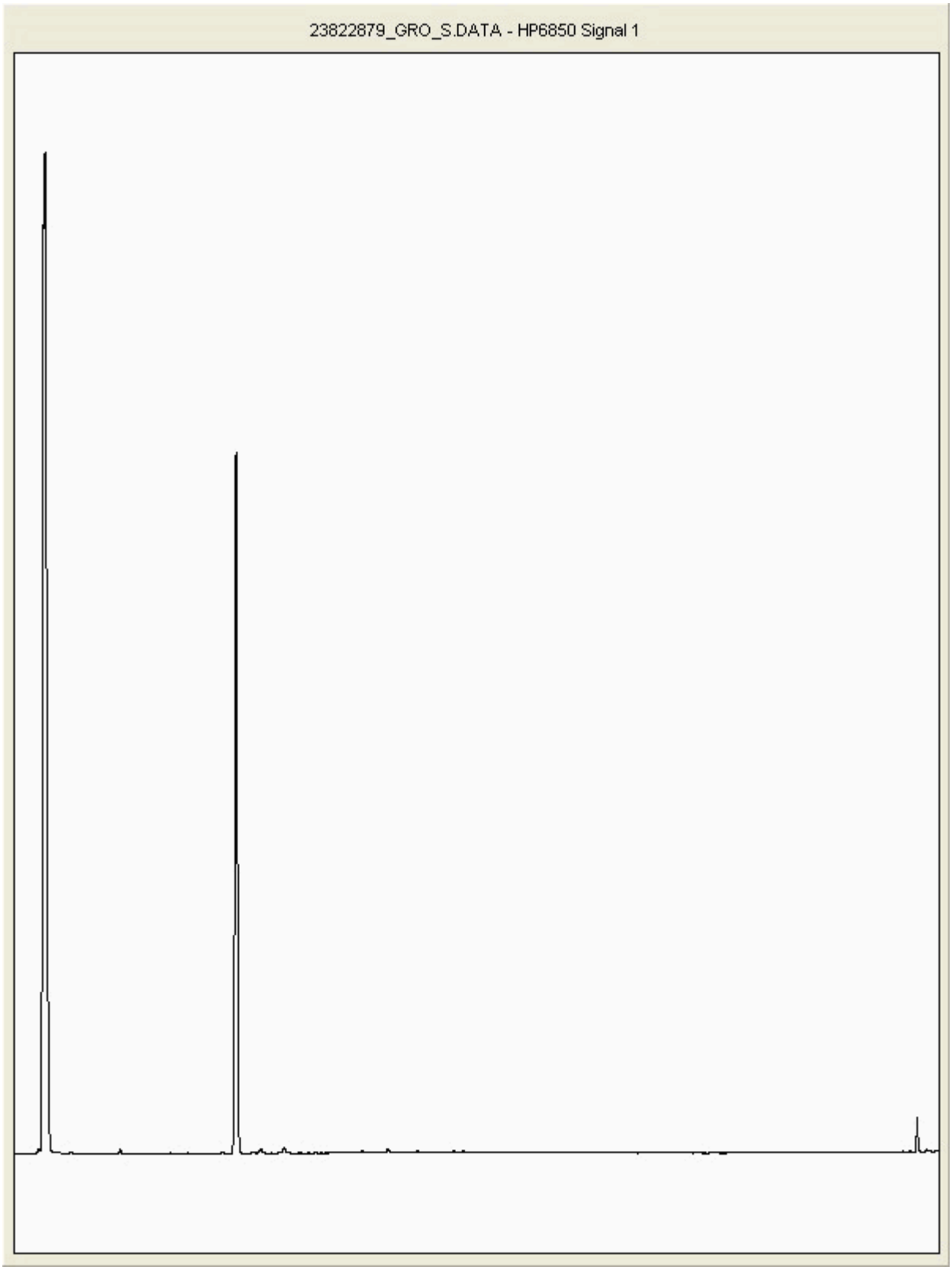
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23822879
Sample ID : WS3

Depth : 1.40 - 1.40



CERTIFICATE OF ANALYSIS

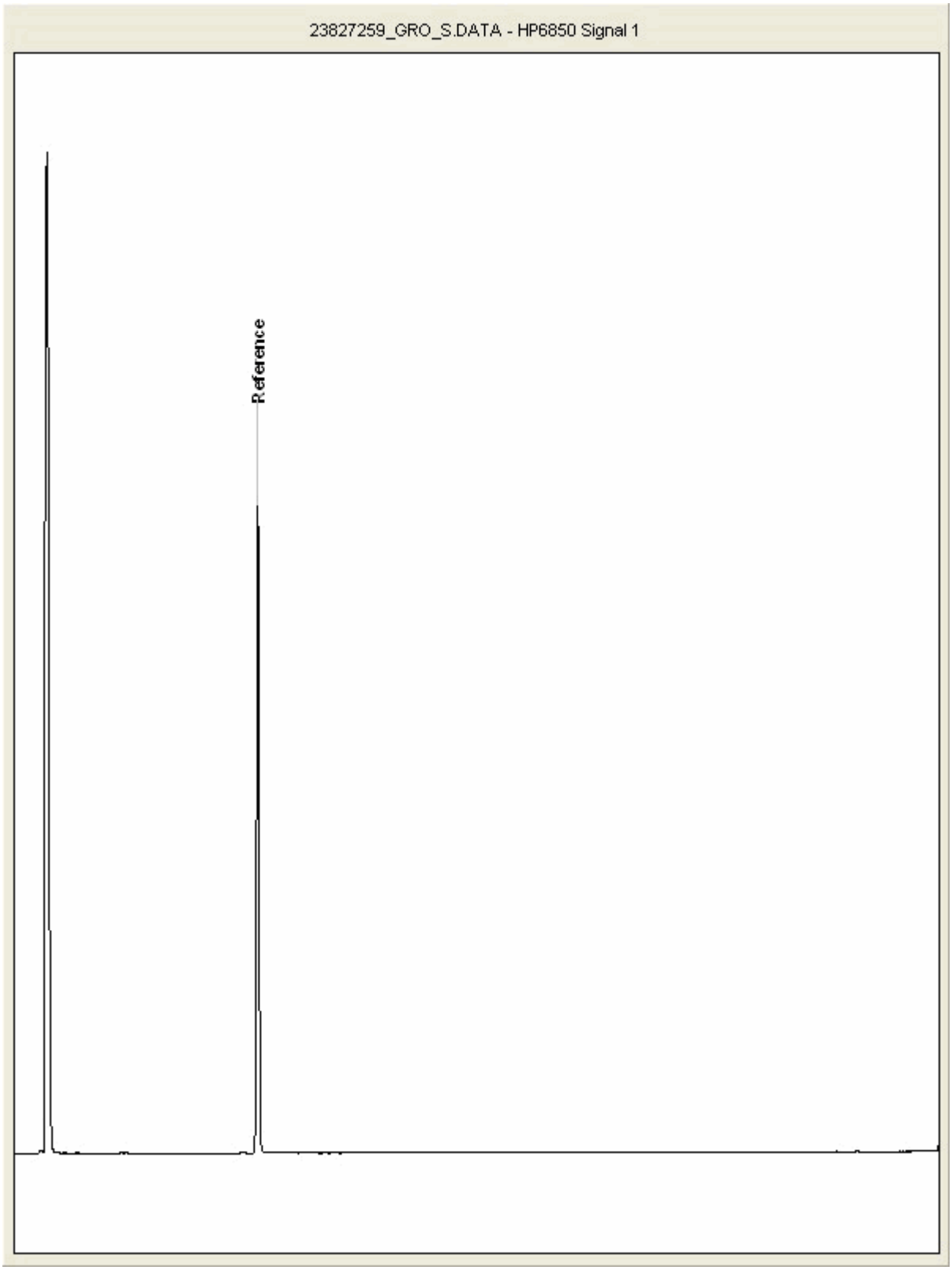
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23827259
Sample ID : WS7A

Depth : 1.30 - 1.50



CERTIFICATE OF ANALYSIS

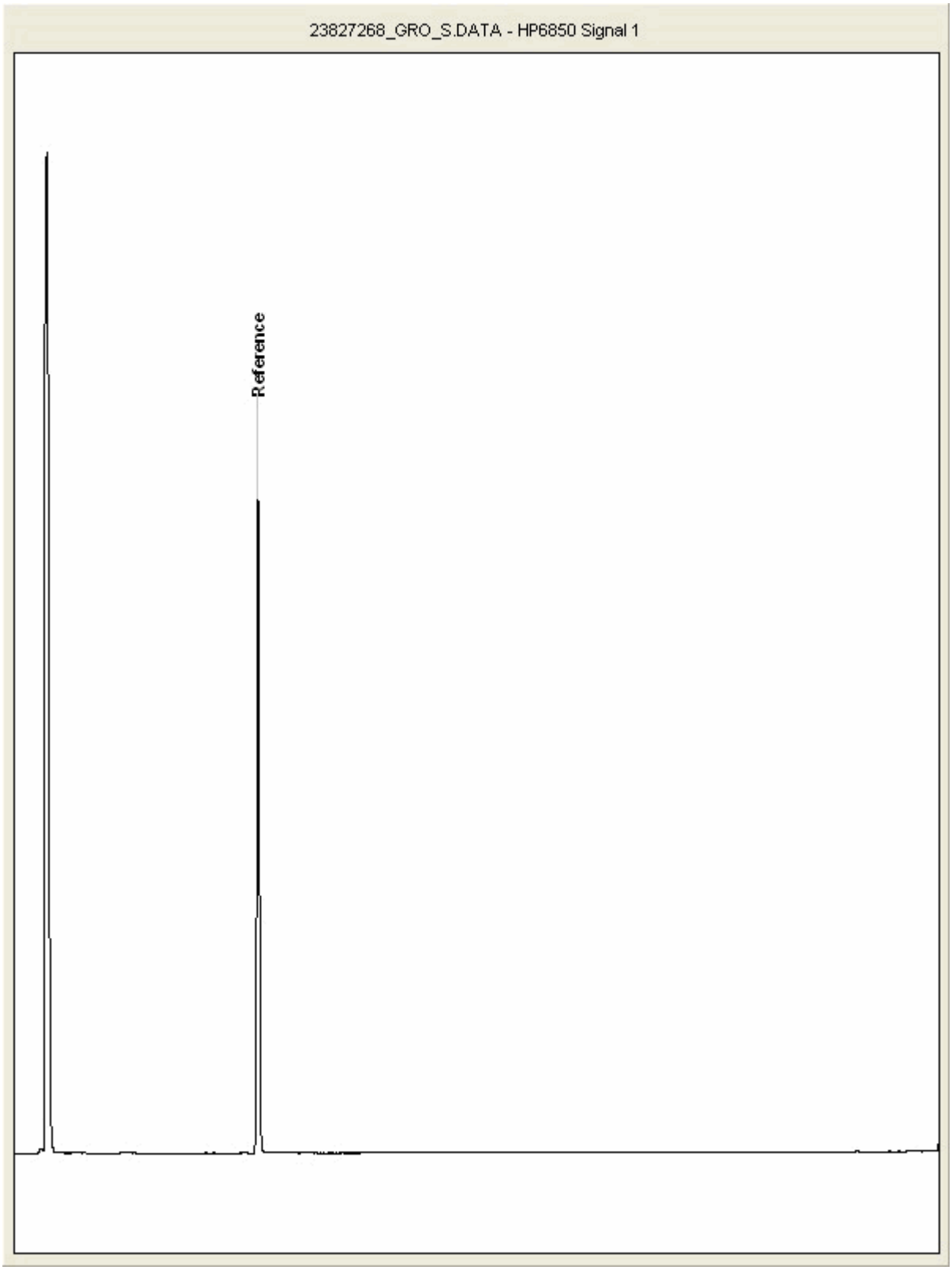
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23827268
Sample ID : BH1

Depth : 0.10 - 0.10



CERTIFICATE OF ANALYSIS

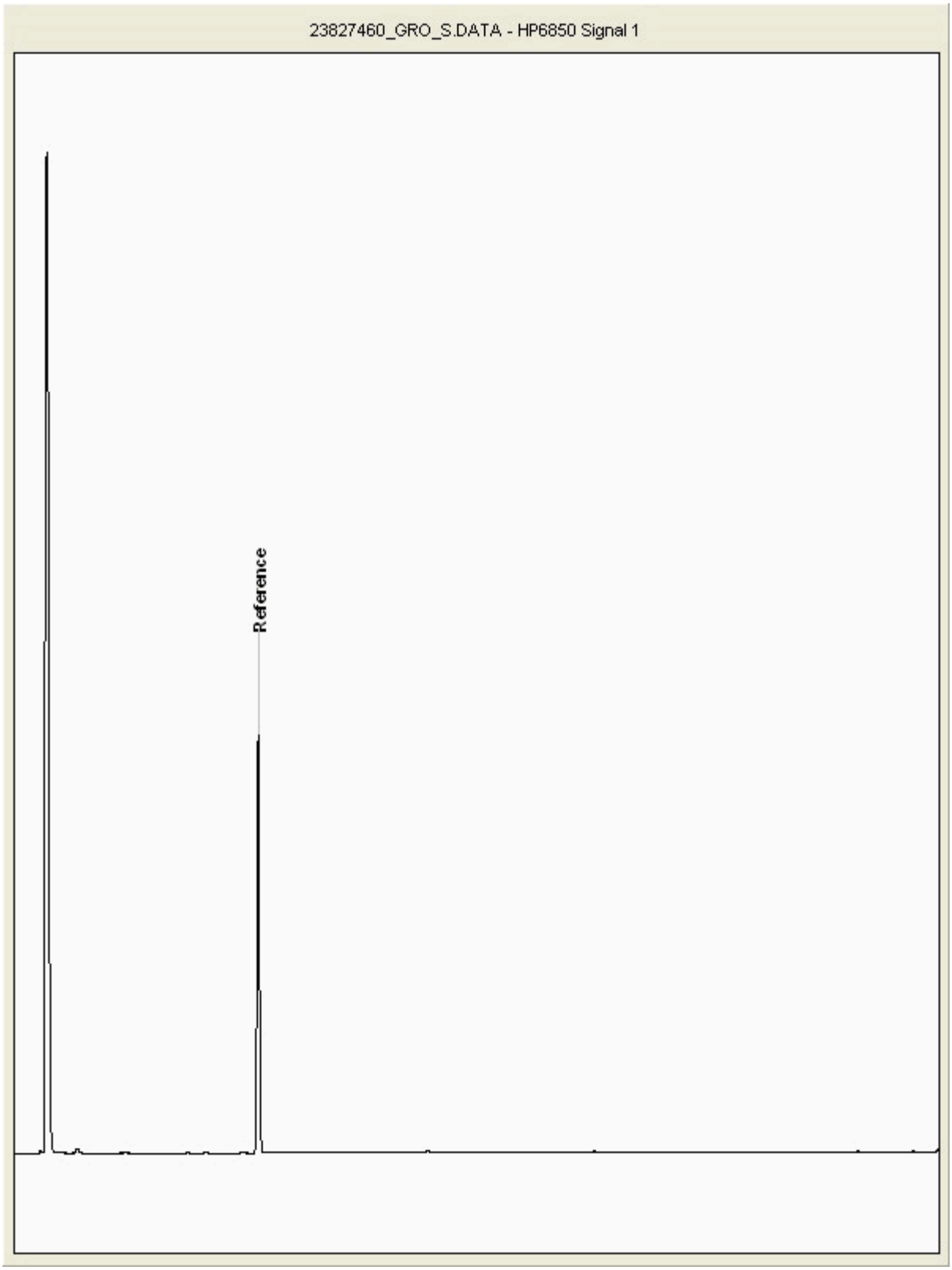
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23827460
Sample ID : BH3

Depth : 0.85 - 0.85

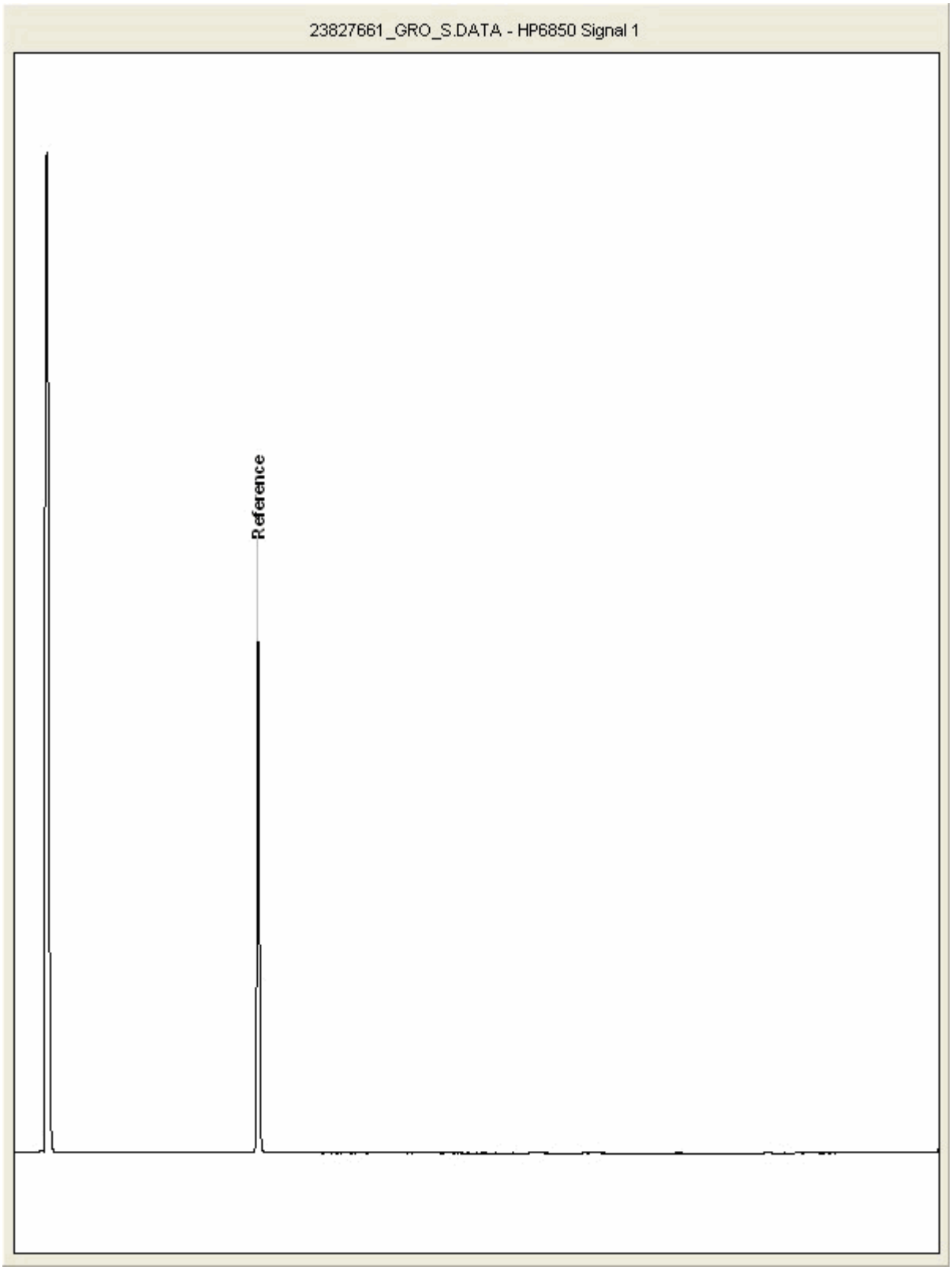


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S) **Sample No :** 23827661 **Sample ID :** WS4 **Depth :** 0.40 - 0.40



CERTIFICATE OF ANALYSIS

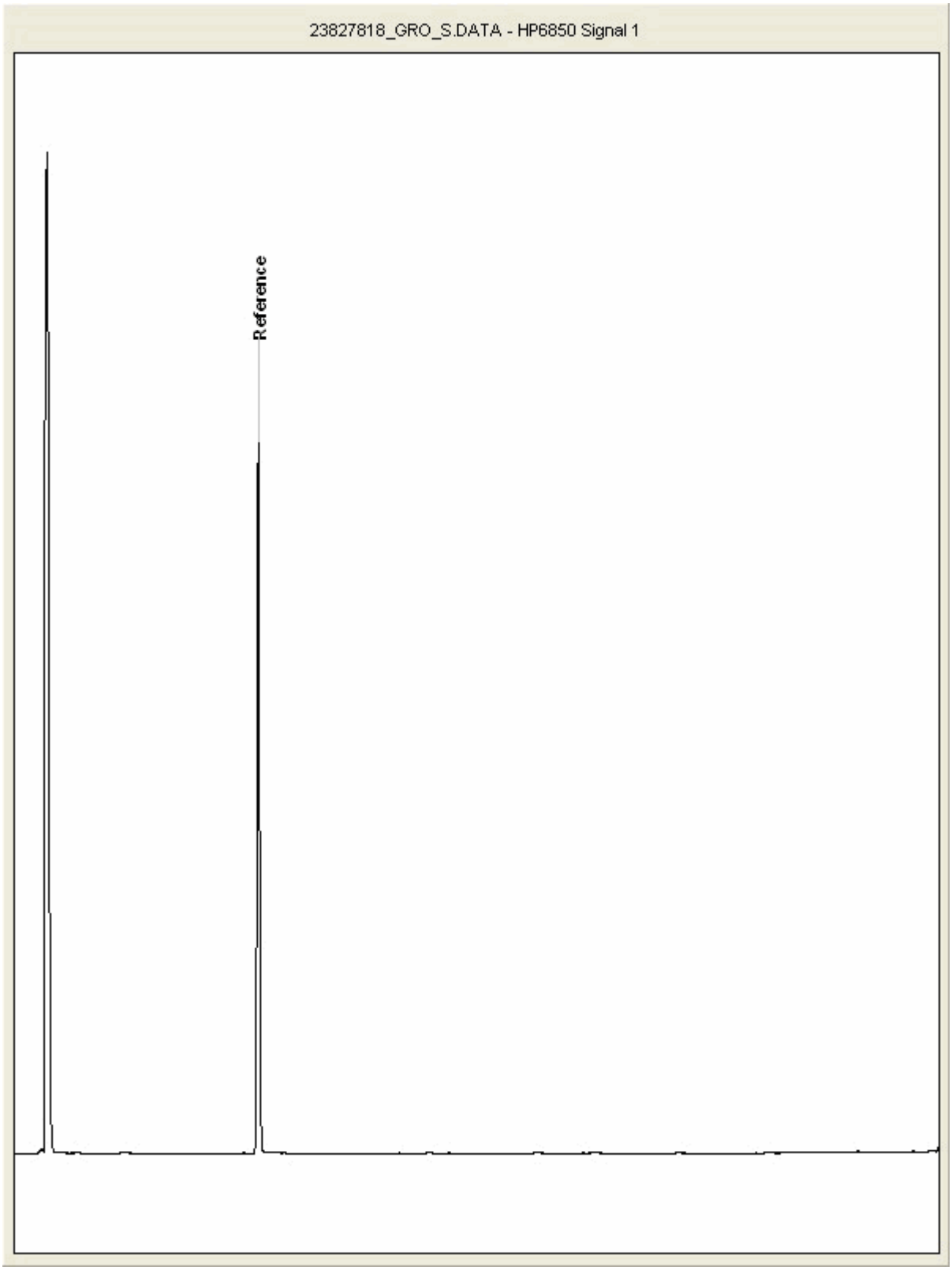
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23827818
Sample ID : BH3

Depth : 0.45 - 0.45

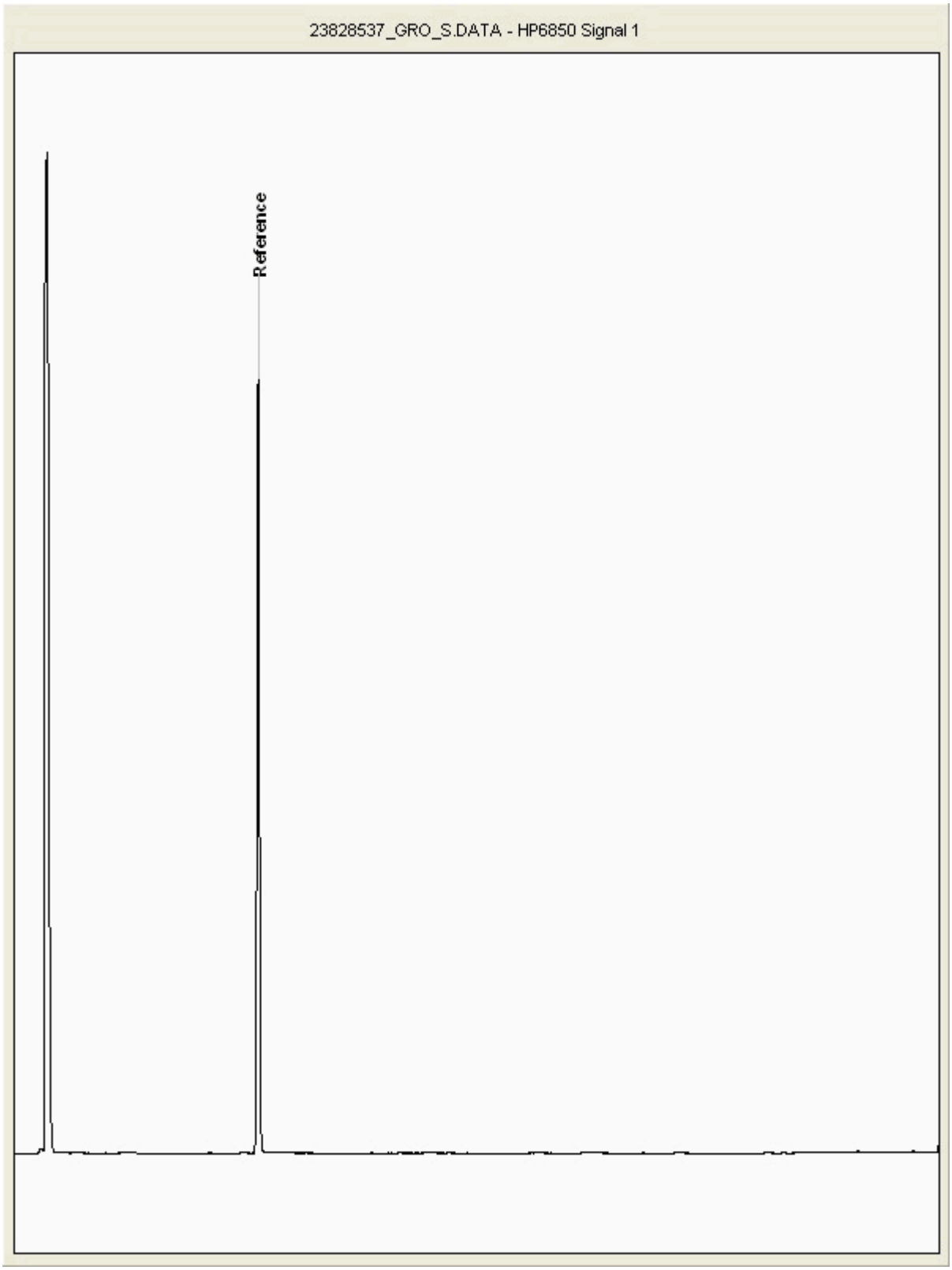


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S) **Sample No :** 23828537 **Sample ID :** WS4 **Depth :** 0.80 - 0.80



CERTIFICATE OF ANALYSIS

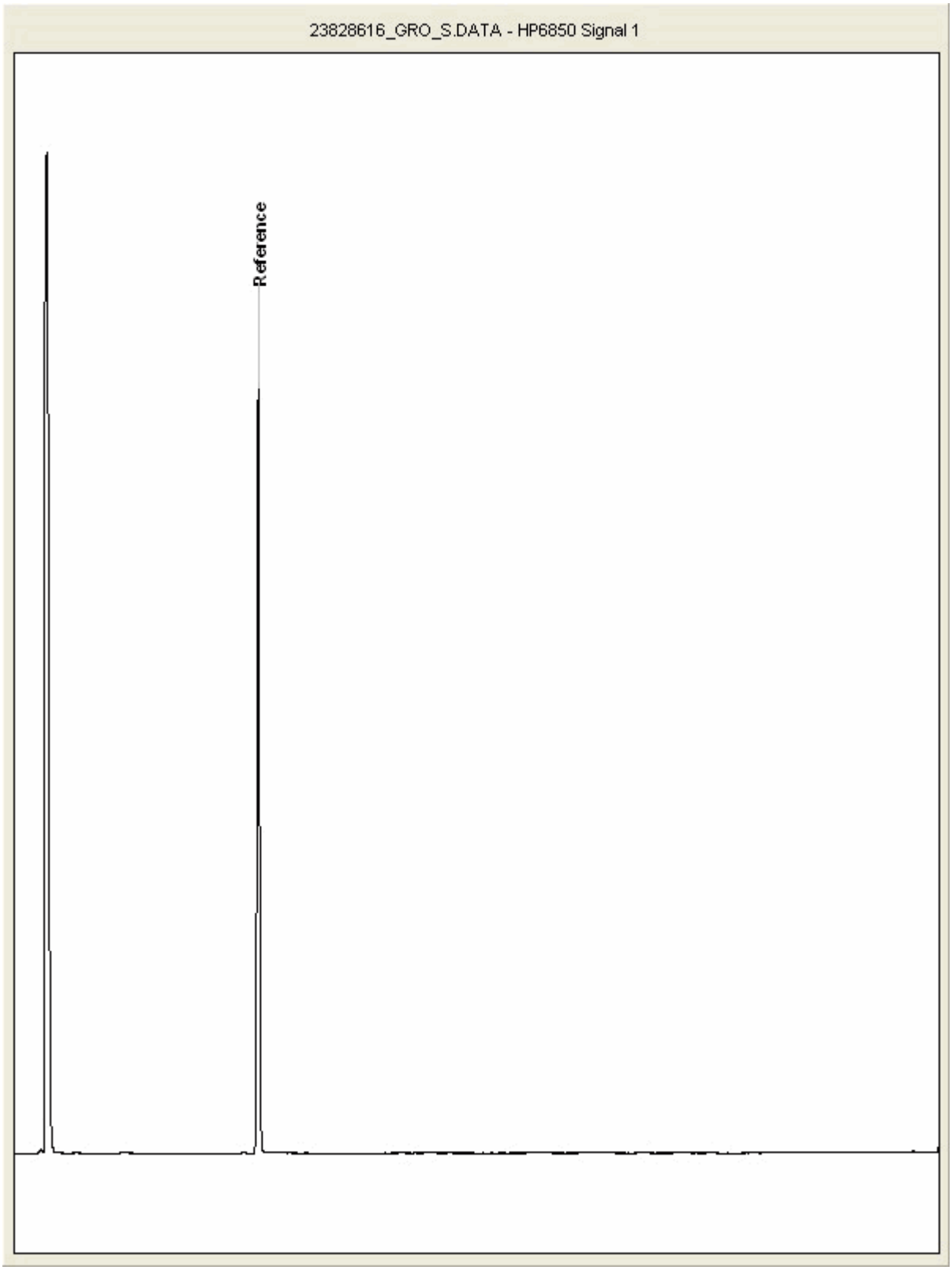
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23828616
Sample ID : BH2

Depth : 3.00 - 3.00

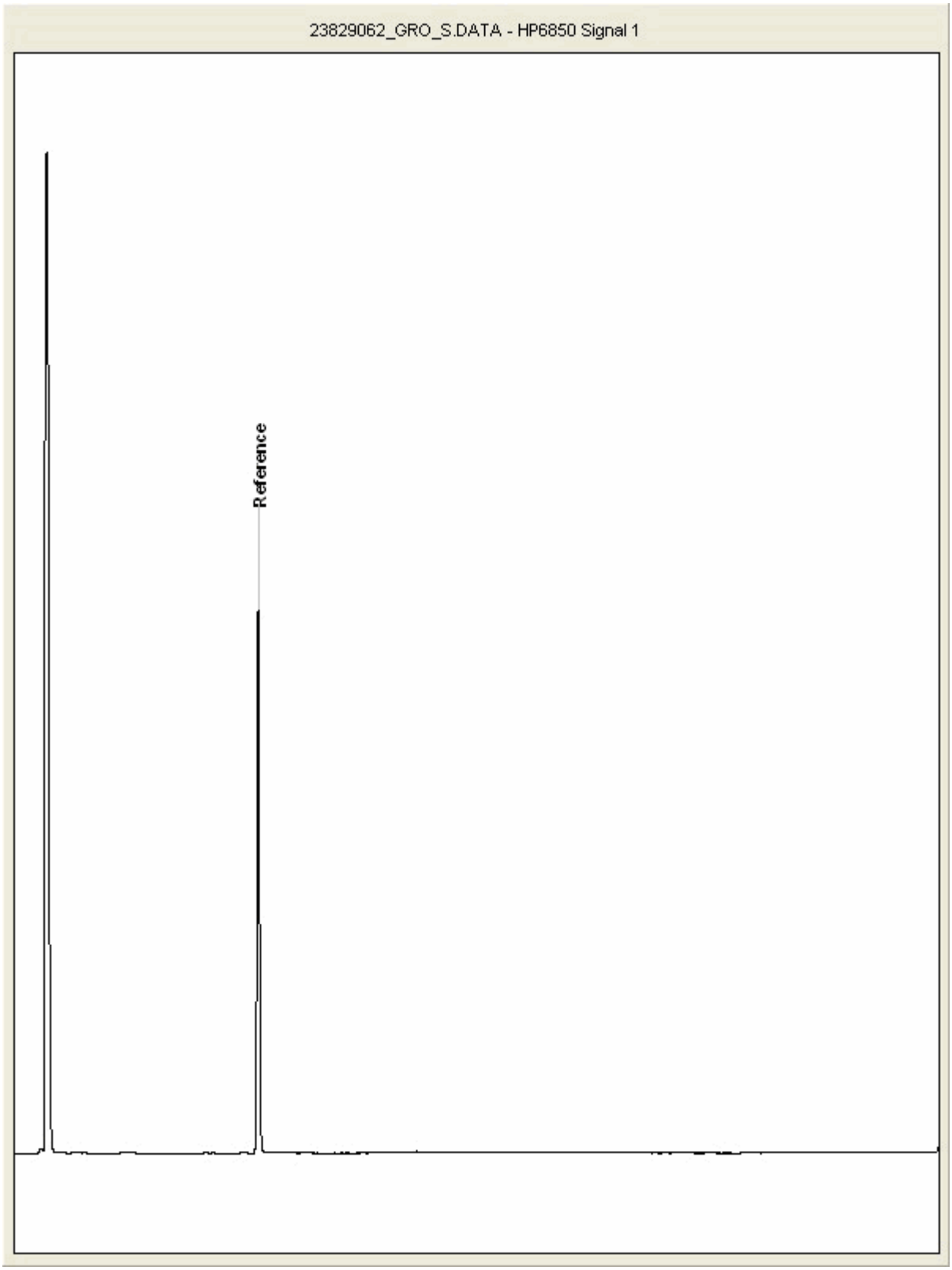


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S) **Sample No :** 23829062 **Sample ID :** WS5 **Depth :** 0.50 - 0.50

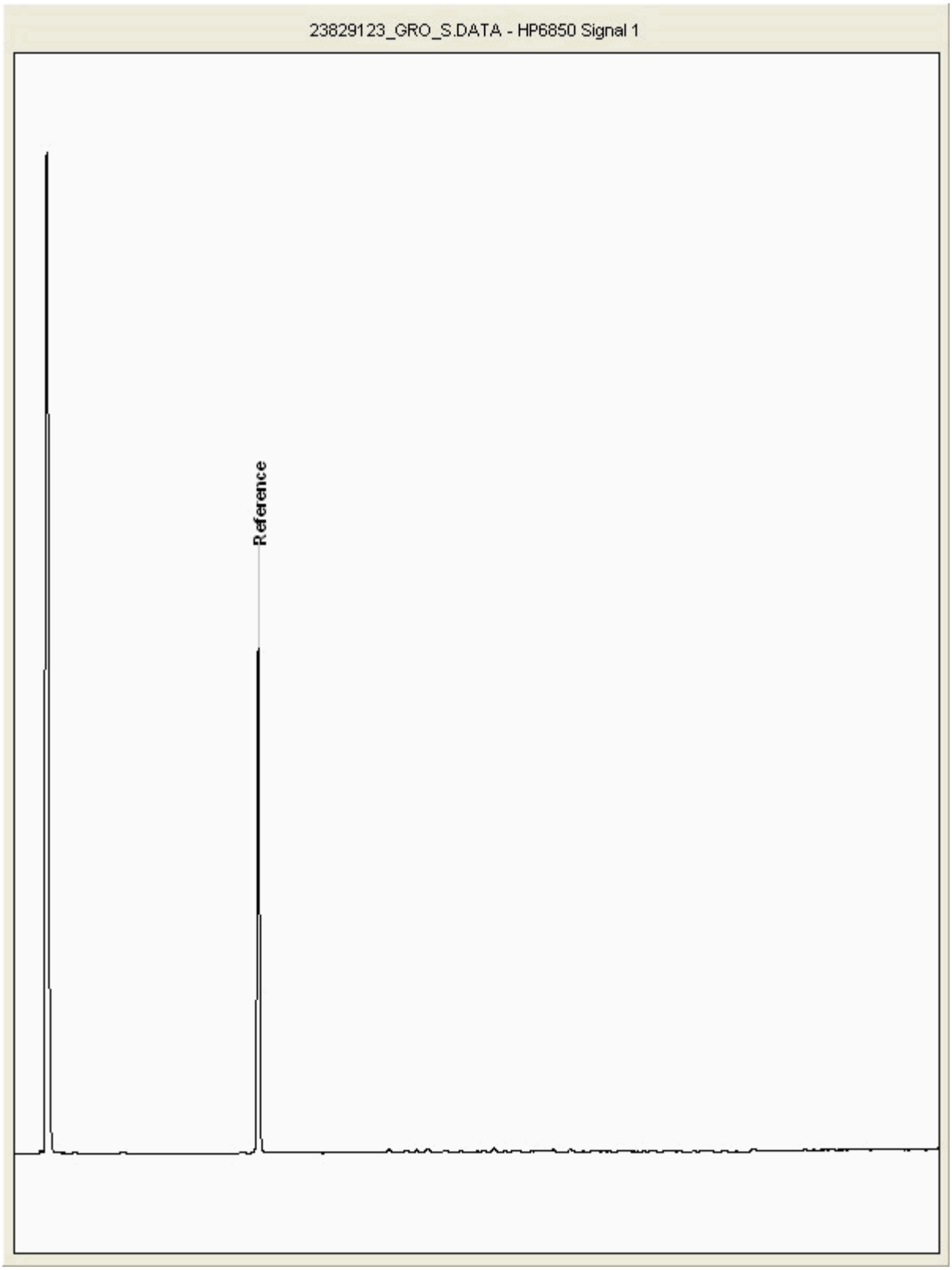


CERTIFICATE OF ANALYSIS

SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S) **Sample No :** 23829123 **Sample ID :** WS3 **Depth :** 1.00 - 1.00



CERTIFICATE OF ANALYSIS

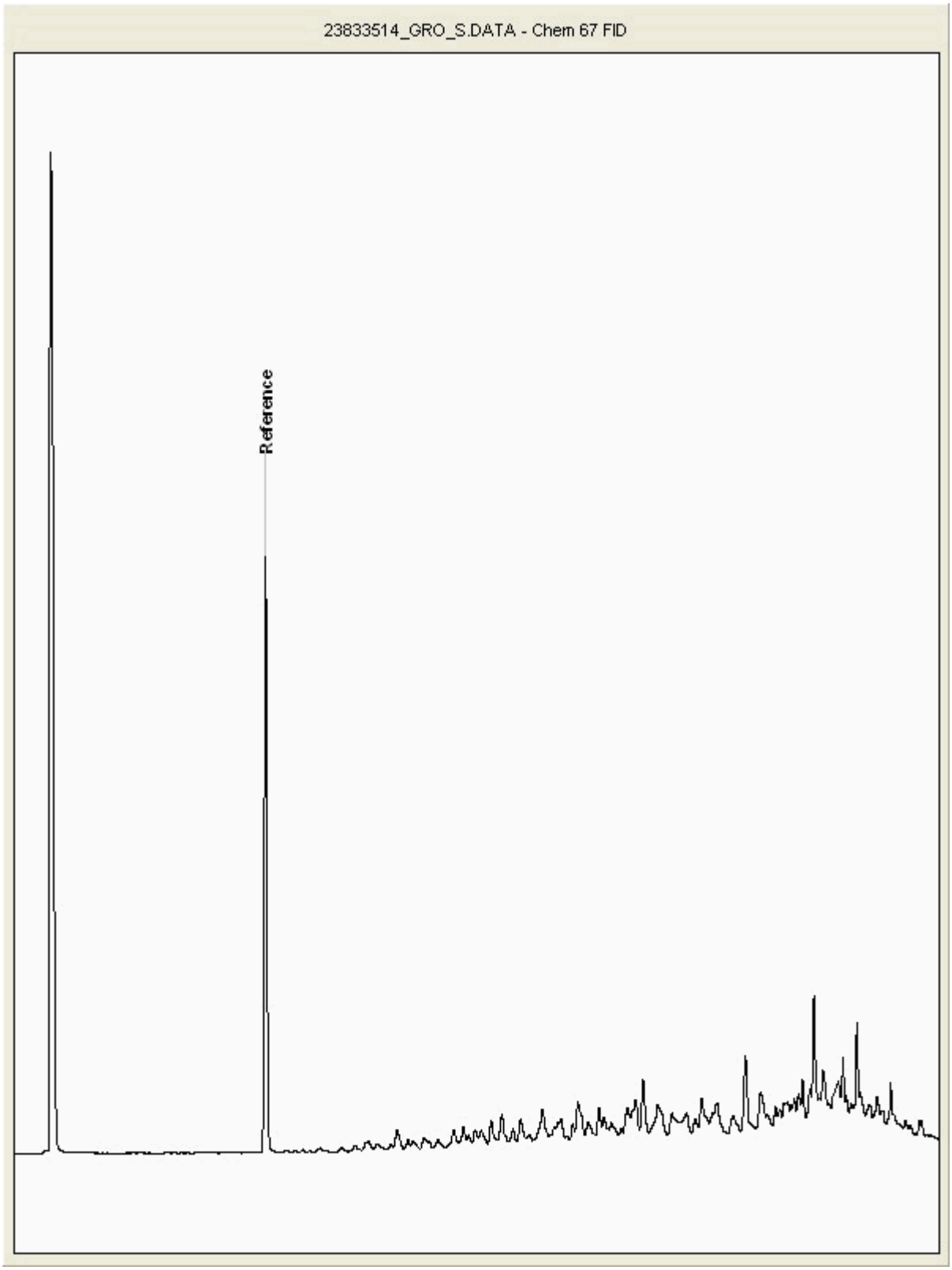
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23833514
Sample ID : WS2A

Depth : 0.30 - 0.50



CERTIFICATE OF ANALYSIS

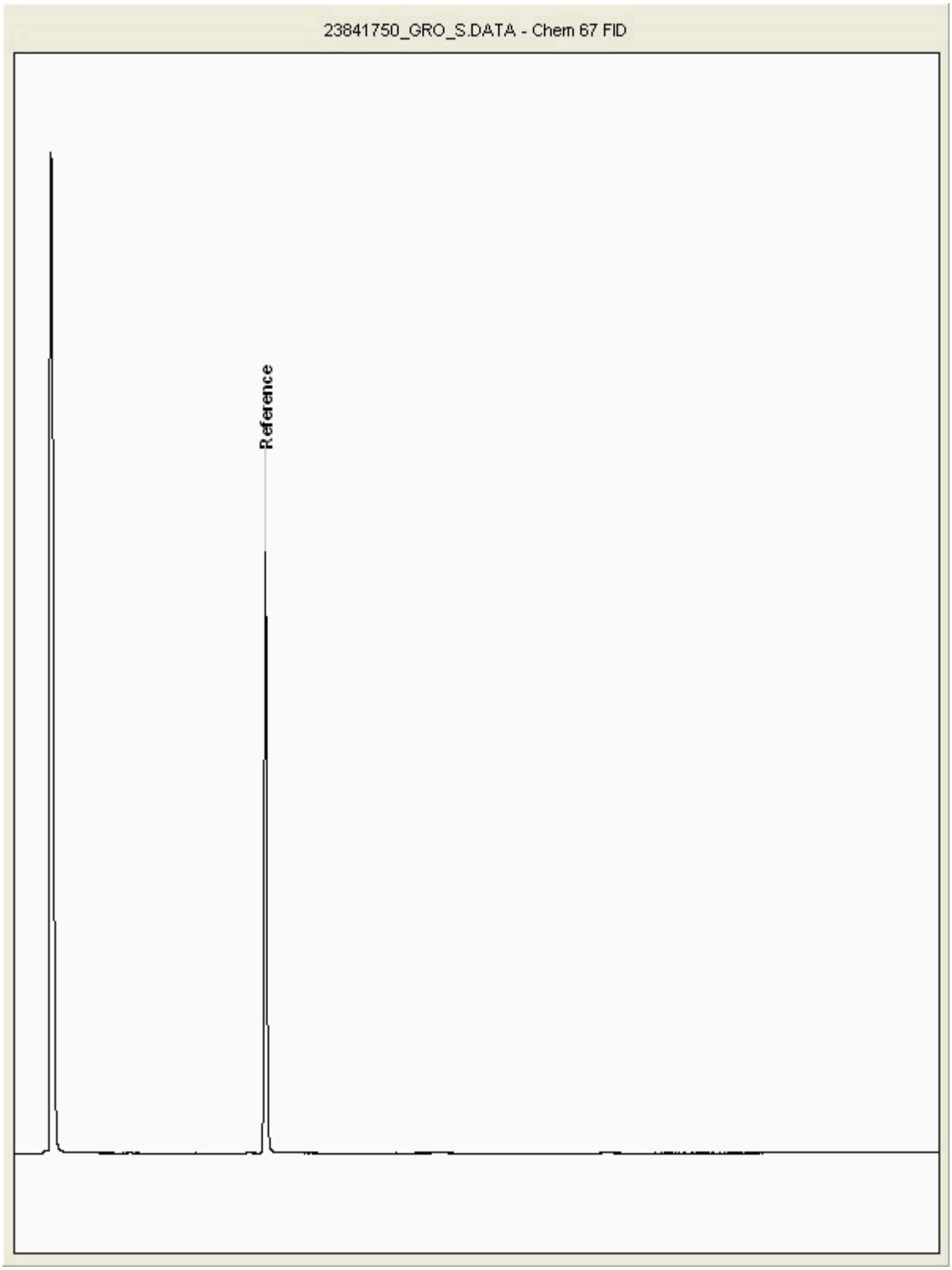
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23841750
Sample ID : BH2

Depth : 0.20 - 0.20



CERTIFICATE OF ANALYSIS

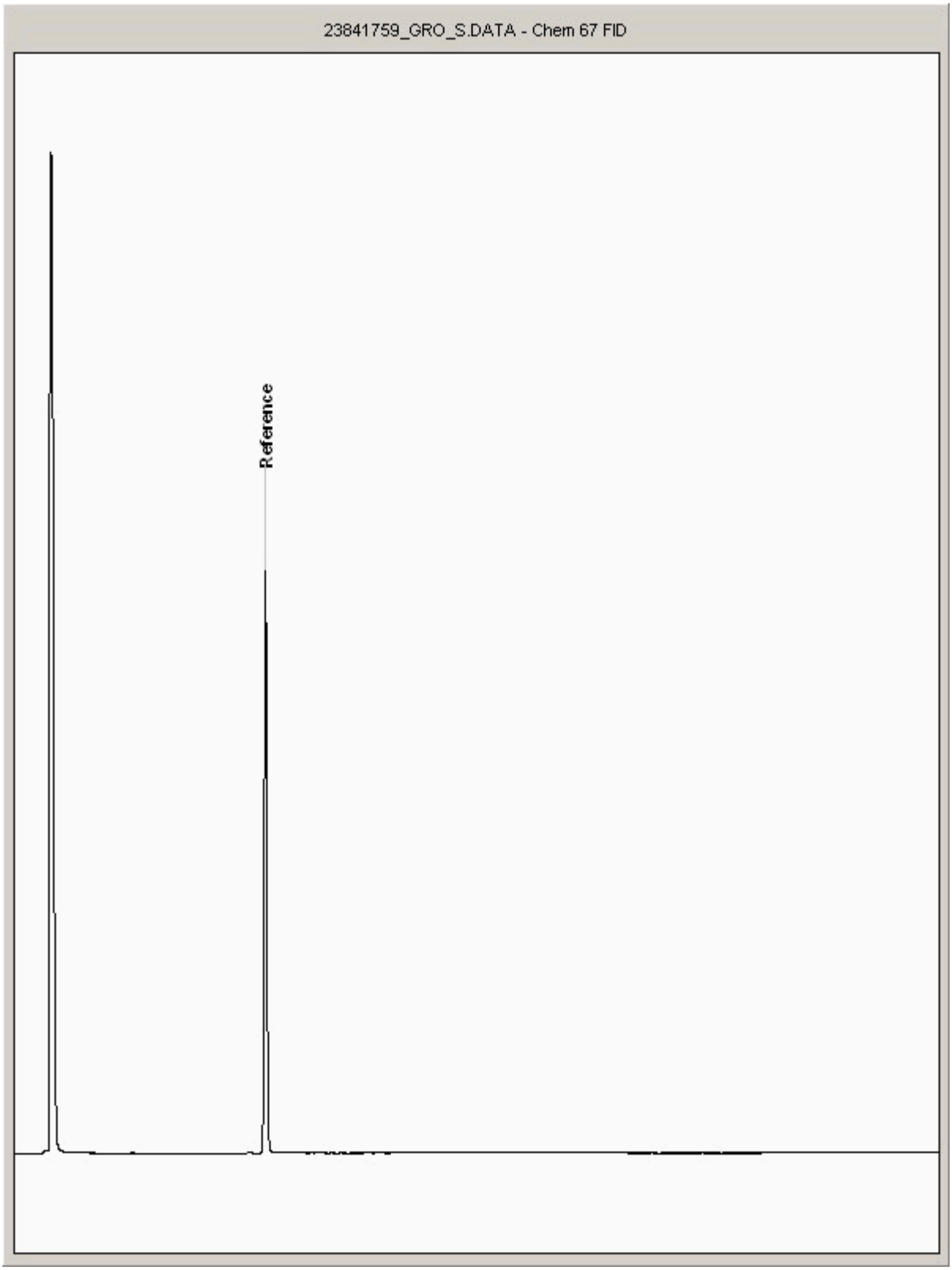
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23841759
Sample ID : BH1

Depth : 2.00 - 2.20



CERTIFICATE OF ANALYSIS

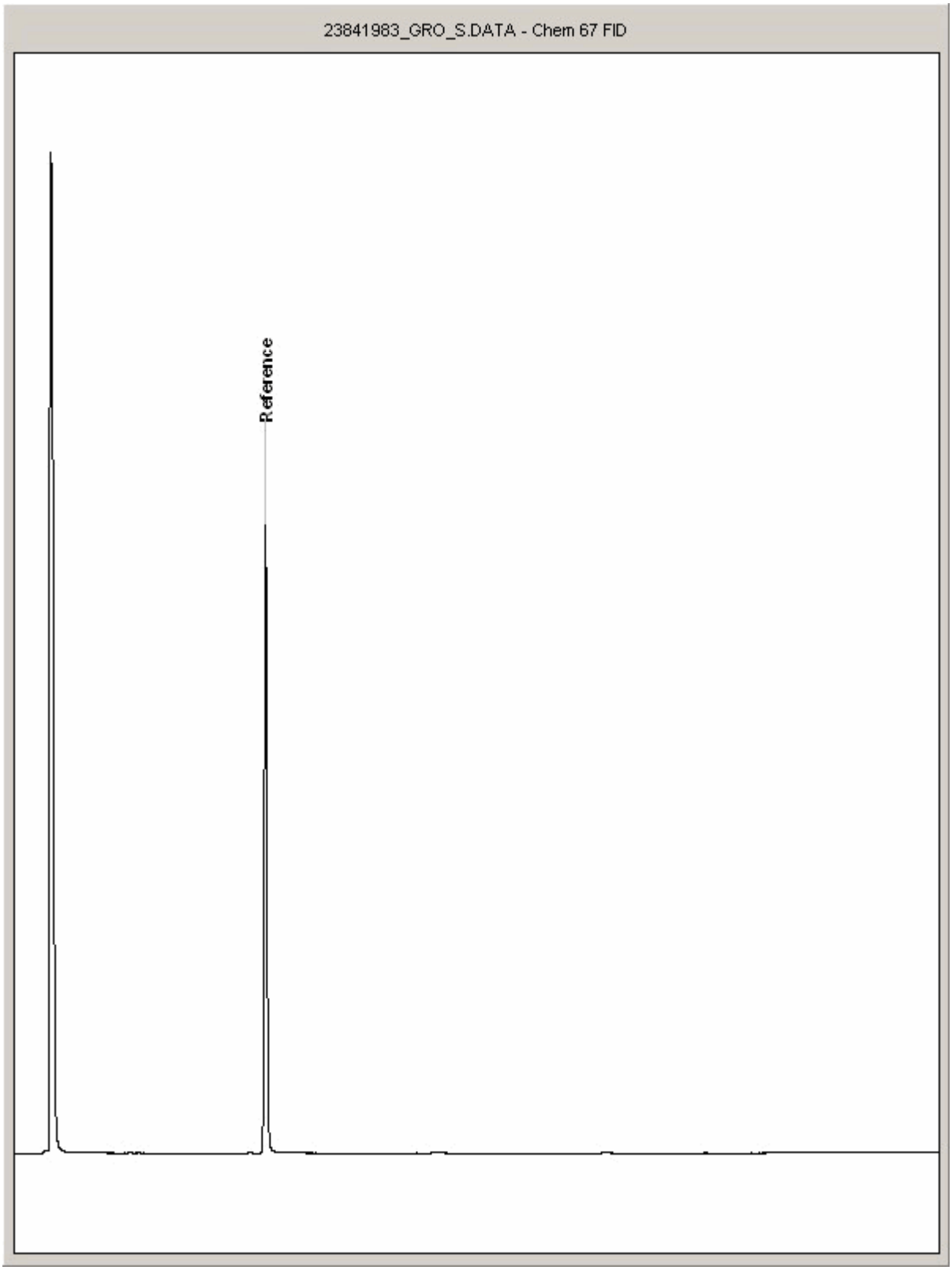
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23841983
Sample ID : BH2

Depth : 0.60 - 0.60



CERTIFICATE OF ANALYSIS

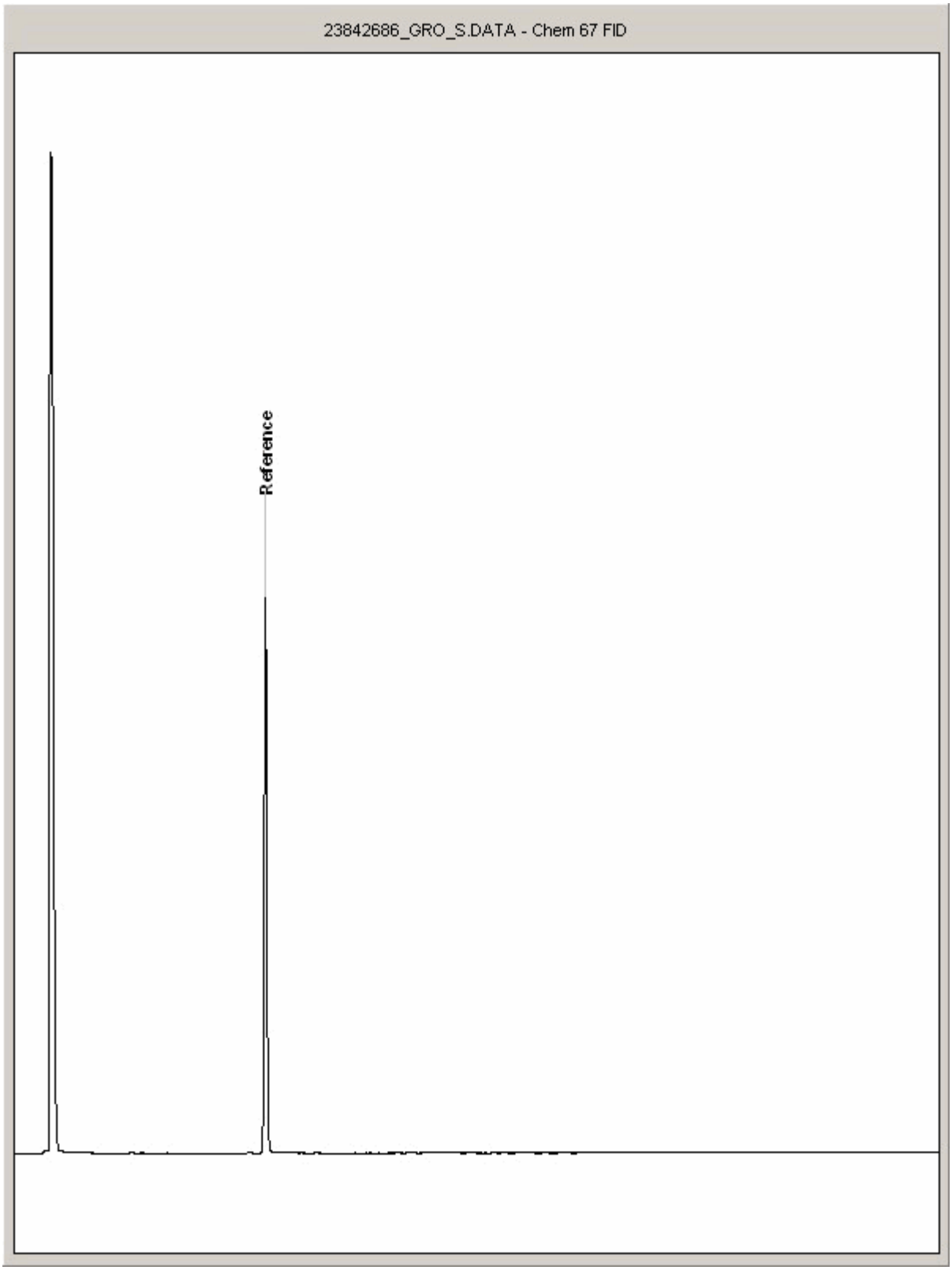
SDG:	210226-129	**Client Reference:**	70067958	**Report Number:**	591923
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	591869

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 23842686
Sample ID : WS7A

Depth : 0.60 - 0.80



BAE Systems
Properties Ltd
10-11 Adlington South
Business Park
Adlington
Lancashire
PR7 4JR, England
Telephone: 03300 488680

TEST CERTIFICATE

Certificate No: BC0016/21

Site : **210226-129** **Ref :** **43X10329**

Client :	ALS Hawarden	**Date Received :**	08/03/2021
Address :	Unit 7-8 Hawarden Business Park Manor Rd Hawarden Deeside	**Date Completed :**	16/03/2021
		Date Of Report :	16/03/2021
	CH5 3US	**Attention :**	Project Manager

Accreditation Key: **U** = UKAS **M** = UKAS & MCERTS **S** = Subcontracted Tests

Test Methods

Deviating Sample(s)	This test certificate contains deviating samples: See Notes
Standard Explosives Suite	using ESAL/QC/4 parts a, j, either k or LCMSsoils, HPLCsoils, NC by l or m

Approved :

Mr D.C. Poole
Laboratory manager

Mr P.D. Hart
Senior Analyst

1764

TABLE OF RESULTS

Lab Code	20210228			20210229		
Client Ref A	23842926 WS1			23842933 WS8		
Client Ref B	0.20m-0.20m			0.30m-0.40m		
Client Ref C	15/02/2021			16/02/2021		
Sample Type	Soil			Soil		
Soil Type	Made Ground (>50% Top S			Made Ground (>50% Clay)		
NC Colour	**-ve**		U	**-ve**		U
NC Colourimetric	**<5000**	**mg/kg**	U	**<5000**	**mg/kg**	U
HMX	**<2**	**mg/kg**	M	**<2**	**mg/kg**	M
RDX	**<2**	**mg/kg**	M	**<2**	**mg/kg**	M
EGDN	**<1**	**mg/kg**	M	**<1**	**mg/kg**	M
Tetryl	**<1**	**mg/kg**	M	**<1**	**mg/kg**	M
NG	**<1**	**mg/kg**	M	**<1**	**mg/kg**	M
TNT	**0.2**	**mg/kg**	M	**<0.1**	**mg/kg**	M
2,6-DNT	**<1**	**mg/kg**	M	**<1**	**mg/kg**	M
2,4-DNT	**<1**	**mg/kg**	M	**<1**	**mg/kg**	M
PETN	**<5**	**mg/kg**	M	**<5**	**mg/kg**	M
HNS	**<0.5**	**mg/kg**	M	**<0.5**	**mg/kg**	M
Picrite	**<0.25**	**mg/kg**	M	**<0.25**	**mg/kg**	M
Picric Acid	**<0.1**	**mg/kg**	M	**<0.1**	**mg/kg**	M

COMMENTS AND DEPARTURES FROM STANDARD PROCEDURES

Lab ID	Client Descriptions		Notes
20210228	23842926 WS1	0.20m-0.20m	TNT shows a poor spectral match indicating that a coeluting peak may inflate the reported result.
20210228	23842926 WS1	0.20m-0.20m	Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid. Sample supplied in inappropriate container. Therefore, this sample is deemed as deviating and as a consequence the explosives results maybe invalid.
20210229	23842933 WS8	0.30m-0.40m	Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid. Sample supplied in inappropriate container. Therefore, this sample is deemed as deviating and as a consequence the explosives results maybe invalid.

NOTES

1. This test report shall not be reproduced except in full, without written approval of the laboratory.

2. All results for soil samples are reported based on dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30°C and subsequently ground and sieved to pass through a nominal 710µm aperture sieve. Prior to grinding, any material which is retained on a sieve of mesh size 4.5mm is discarded. Analysis is carried out directly on these prepared soils with the exception of petrol range organic compounds. These analyses are carried out on the soil "As Received" and corrected for the dry weight (at 105 °C) prior to reporting.

3. BAE Systems does not correct results for analytical recoveries.

4. All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients.The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.

5. Validation studies indicate that the concentration of nitrocellulose in high organic content soils may be overestimated.

6. Results stated in this test report relate only to the samples tested.

7. Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.

8. The initials or common names used for reporting explosives relate to the following compounds: Nitrocellulose(NC); Cyclotetramethylene Tetranitramine (HMX); Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine (RDX); Ethylene Glycol Dinitrate (EGDN); 2,4,6-Trinitro-Phenylmethyl Nitramine (Tetryl); Glycerol Trinitrate (NG); 2,4,6-Trinitrotoluene (TNT); Pentaeryhritol Tetranitrate (PETN); Hexanitro-Stilbene (HNS); Nitroguanidine (Picrite); 2,4,6-Trinitro Phenol (Picric Acid); 2,4-Dinitrotoluene (2,4-DNT); 2,6-Dinitrotoluene (2,6-DNT), 2-Amino-4,6-Dinitrotoluene (2-Amino-4,6-DNT), 4-Amino-4,6-Dinitrotoluene (4-Amino-2,6-DNT).

9. Some reporting limits may be raised due to poor recovery of internal standard or dilution of highly contaminated samples.

10. In unacidified waters Tetryl, 1,3,5-TNB, 1,3-DNB and TNT are unstable decaying rapidly over a few days or less depending on the sample matrix. 2-Amino-4,6-DNT, 2,6-DNT and 2,4-DNT are generally more stable depending on the sample matrix, but are likely to show significant loss after three weeks. HMX, RDX, EGDN, PETN, NB, MNT isomers, 4-Amino-2,6-DNT, Picrite and Picric acid are relatively stable after three weeks in unpreserved water samples. These comments are based on laboratory in house trials in surface and ground waters and results from literature searches.

11. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

End of Report BC0016/21

BAE Systems
Properties Ltd
10-11 Adlington South
Business Park
Adlington
Lancashire
PR7 4JR, England
Telephone: 03300 488680

TEST CERTIFICATE

Certificate No: BC0018/21

Site : **210226-129** **Ref :** **43X10329**

Client :	ALS Hawarden	**Date Received :**	09/03/2021
Address :	Unit 7-8 Hawarden Business Park Manor Rd Hawarden Deeside	**Date Completed :**	16/03/2021
		Date Of Report :	16/03/2021
	CH5 3US	**Attention :**	Project Manager

Accreditation Key: **U** = UKAS **M** = UKAS & MCERTS **S** = Subcontracted Tests

Test Methods

Deviating Sample(s)	This test certificate contains deviating samples: See Notes
Nitrocellulose	using ESAL/QC/4 NC by l or m
Picrite and Picric Acid	using method ESAL/QC/4 parts HPLC Soils
Reduced Exp Suite (As Received)	using ESAL/QC/4 parts HPLC Exp as received soils
Standard Explosives Suite	using ESAL/QC/4 parts a, j, either k or LCMSsoils, HPLCsoils, NC by l or m

Approved :

Mr D.C. Poole
Laboratory manager

Mr P.D. Hart
Senior Analyst

1764

TABLE OF RESULTS

Lab Code	20210235			20210236		
Client Ref A	23857051 BH2			23857041 WS5		
Client Ref B	0.20m-0.20m			0.00m-0.20m		
Client Ref C	16/02/2021			16/02/2021		
Sample Type	Soil			Soil		
Soil Type	Clay - Brown			Made Ground (>50% Clay)		
NC Colour	**-ve**		U			
NC Colourimetric	**<5000**	**mg/kg**	U			
HMX	**<2**	**mg/kg**	M			
RDX	**<2**	**mg/kg**	M			
EGDN	**<1**	**mg/kg**	M			
Tetryl	**<1**	**mg/kg**	M			
NG	**<1**	**mg/kg**	M			
TNT	**<0.1**	**mg/kg**	M			
2,6-DNT	**<1**	**mg/kg**	M			
2,4-DNT	**<1**	**mg/kg**	M			
PETN	**<5**	**mg/kg**	M			
HNS	**<0.5**	**mg/kg**	M			
Picrite	**<0.25**	**mg/kg**	M			
Picric Acid	**<0.1**	**mg/kg**	M			
HMX				**<2**	**mg/kg**	U
RDX				**<2**	**mg/kg**	U
EGDN				**<1**	**mg/kg**	U
Tetryl				**<1**	**mg/kg**	U
NG				**<1**	**mg/kg**	U
TNT				**<0.1**	**mg/kg**	U
2,6-DNT				**<1**	**mg/kg**	U
2,4-DNT				**<1**	**mg/kg**	U
PETN				**<5**	**mg/kg**	U
HNS				**<0.5**	**mg/kg**	U
NC Colour				**-ve**		
NC Colourimetric				**<5000**	**mg/kg**	
Picrite				**<0.25**	**mg/kg**	
Picric Acid				**<0.1**	**mg/kg**	

COMMENTS AND DEPARTURES FROM STANDARD PROCEDURES

Lab ID	Client Descriptions		Notes
20210235	23857051 BH2	0.20m-0.20m	Sample supplied in inappropriate container. Therefore, this sample is deemed as deviating and as a consequence the explosives results maybe invalid. Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid.
20210236	23857041 WS5	0.00m-0.20m	Sample analysed on an as received basis and not corrected for moisture content. Sample supplied in inappropriate container. Therefore, this sample is deemed as deviating and as a consequence the explosives results maybe invalid. Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid.

NOTES

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2. All results for soil samples are reported based on dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30°C and subsequently ground and sieved to pass through a nominal 710µm aperture sieve. Prior to grinding, any material which is retained on a sieve of mesh size 4.5mm is discarded. Analysis is carried out directly on these prepared soils with the exception of petrol range organic compounds. These analyses are carried out on the soil "As Received" and corrected for the dry weight (at 105 °C) prior to reporting.

3. BAE Systems does not correct results for analytical recoveries.

4. All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients.The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.

5. Validation studies indicate that the concentration of nitrocellulose in high organic content soils may be overestimated.

6. Results stated in this test report relate only to the samples tested.

7. Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.

8. The initials or common names used for reporting explosives relate to the following compounds: Nitrocellulose(NC); Cyclotetramethylene Tetranitramine (HMX); Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine (RDX); Ethylene Glycol Dinitrate (EGDN); 2,4,6-Trinitro-Phenylmethyl Nitramine (Tetryl); Glycerol Trinitrate (NG); 2,4,6-Trinitrotoluene (TNT); Pentaeryhritol Tetranitrate (PETN); Hexanitro-Stilbene (HNS); Nitroguanidine (Picrite); 2,4,6-Trinitro Phenol (Picric Acid); 2,4-Dinitrotoluene (2,4-DNT); 2,6-Dinitrotoluene (2,6-DNT), 2-Amino-4,6-Dinitrotoluene (2-Amino-4,6-DNT), 4-Amino-4,6-Dinitrotoluene (4-Amino-2,6-DNT).

9. Some reporting limits may be raised due to poor recovery of internal standard or dilution of highly contaminated samples.

10. In unacidified waters Tetryl, 1,3,5-TNB, 1,3-DNB and TNT are unstable decaying rapidly over a few days or less depending on the sample matrix. 2-Amino-4,6-DNT, 2,6-DNT and 2,4-DNT are generally more stable depending on the sample matrix, but are likely to show significant loss after three weeks. HMX, RDX, EGDN, PETN, NB, MNT isomers, 4-Amino-2,6-DNT, Picrite and Picric acid are relatively stable after three weeks in unpreserved water samples. These comments are based on laboratory in house trials in surface and ground waters and results from literature searches.

11. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

End of Report BC0018/21

Certificate of Analysis

Report No.:	**21-99034-1**
Issue No.:	**1**
Date of Issue	**19/03/2021**
Customer Details:	ALS Life Sciences Limited, Unit7-8, Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US
Customer Contact:	Carrie Foster
Customer Order No.:	210226-129
Customer Reference:	210226-129
Quotation Reference:	210302/08
Description:	2 soil samples
Date Received:	08/03/2021
Date Started:	09/03/2021
Date Completed:	19/03/2021
Test Methods:	Details available on request (refer to SOP code against relevant result/s)
Notes:	None

Approved By: **Matthew Hickson, Laboratory Manager**

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service.
This certificate shall not be reproduced except in full without the prior written approval of the laboratory.
Observations and interpretations are outside of the scope of UKAS accreditation.
Results reported herein relate only to the items supplied to the laboratory for testing.
Results on an Interim Report are not dry-weight corrected.
Where the laboratory is not responsible for the sampling, results apply to the sample(s) as they were received.
The laboratory shall not be responsible for any information that is supplied by the customer that may affect the validity of results.

RPS Environmental Management Limited trading as RPS Mountainheath. Registered in England No. 01756175.

Results Summary

Report No.: 21-99034-1

Customer Reference: 210226-129

Customer Order No: 210226-129

Customer Sample No	**23836568**	**23827434**
Customer Sample ID	WS2A	WS3
RPS Sample No	456438	456439
Sample Type	**SOIL**	**SOIL**
Sample Depth (m)	0.30-0.50	0.30
Sampling Date	15/02/2021	15/02/2021

Determinand	CAS No	Codes	SOP	Units	RL		
dibutyltin (DBT)	1002-53-5	N	in house	mg/kg as cation	0.02	< 0.02	< 0.10
diphenyltin (DPT)		N	in house	mg/kg as cation	0.02	< 0.02	< 0.02
monobutyltin (MBT)	78763-54-9	N	in house	mg/kg as cation	0.15	< 0.15	< 0.15
monophenyltin (MPT)		N	in house	mg/kg as cation	0.02	< 0.02	< 0.10
tributyltin (TBT)	56573-85-4	N	in house	mg/kg as cation	0.02	< 0.02	0.28
triphenyltin (TPT)	668-34-8	N	in house	mg/kg as cation	0.05	< 0.05	< 0.10
tetrabutyltin	1461-25-2	N	in house	mg/kg as cation	0.02	< 0.02	< 0.10

Comments

Report No.: 21-99034-1

Customer Reference: 210226-129

Customer Order No: 210226-129

RPS Sample Number	Customer Number	Sample Comments
456439	23827434	The reporting limits have been raised due to matrix interference.

Deviating Samples

Report No.: 21-99034-1

Customer Reference: 210226-129

Customer Order No: 210226-129

Our policy on Deviating Samples has been implemented in accordance with UKAS Policy on Deviating Samples (TPS63).
RPS is not responsible for the integrity of samples as received, unless RPS personnel performed the sampling. Samples submitted may be declared to be deviating.
Where applicable the analysis method remains UKAS accredited, however results reported for a deviating sample may be compromised.
Where no sampling date was supplied, samples have been declared to be deviating. If the date can be supplied, results may be reissued if assessed not deviating.
Where the sample container used was unsuitable or broken, the sample is flagged as deviating and re-sampling/re-submisson may be required.

RPS No.	Customer No.	Customer ID	Date Sampled	Containers Received	Deviating	Reason for Deviation
456438	23836568		15/02/2021	60ml amber glass jar	**Yes**	Holding time has been exceeded. Temperature of samples exceeded in transit/storage
456439	23827434		15/02/2021	60ml amber glass jar	**Yes**	Holding time has been exceeded. Temperature of samples exceeded in transit/storage

Report No.: 21-99034-1

Key Code	Description
U	UKAS Accredited Test - UKAS accreditation is only implied if the report carries the UKAS logo
F	UKAS Flexible Scope Test
M	MCERTS Accredited Test - MCERTS accreditation is only implied if the report carries the MCERTS logo
N	Not Accredited Test
O	Marine Management Organisation (MMO) Validated
S	Subcontracted to approved laboratory
US	Subcontracted to approved laboratory UKAS Accredited for the test
MS	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
SI	Subcontracted to internal RPS Group laboratory
USI	Subcontracted to internal RPS Group laboratory UKAS Accredited for the test
MSI	Subcontracted to internal RPS Group laboratory MCERTS/UKAS Accredited for the test
I/S (in results)	Insufficient Sample
U/S (in results)	Unsuitable Sample
S/C (in results)	See Comments
ND (in results)	Not Detected
AD (in units)	Results are expressed on an air-dried basis at 30 °C
DW (in units)	Results are expressed on a dry weight basis at 105 °C

Sample Type	Sample Retention and Disposal Period
Foodstuff	1 month (if frozen) from the issue date of this report
Waters	2 weeks from the issue date of this report
Other Liquids	1 month from the issue date of this report
Solids / Soils	1 month from the issue date of this report
Sediments	1 month from the issue date of this report

Note: Sample retention may be subject to agreement with the customer for particular projects

Where the dry solids value of a sample is low (<50%), reporting limits are automatically raised for all determinants analysed on an as-received basis.

Soil Typing	Description
Type 1	Clay - Brown
Type 2	Clay - Grey/Black
Type 3	Sand
Type 4	Top Soil (Standard)
Type 5	Top Soil (High Peat)
Type 6	Made Ground (>50% Clay)
Type 7	Made Ground (>50% Sand)
Type 8	Made Ground (>50% Top Soil)
Type X	Other

Certificate Notes	Description
Note 1	This test report shall not be reproduced except in full, without written approval of the Laboratory.
Note 2	Unless otherwise stated, results are not corrected for analytical recoveries.
Note 3	All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients. Once submitted, samples requiring analysis are stored at 5 ± 3°C. The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.
Note 4	Samples were taken by the customer and, unless otherwise stated, sampling locations were not supplied.
Note 5	Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.
Note 6	Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Note for results expressed on an air-dried basis: Results for soil samples are reported based on the dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30 °C and subsequently ground and seived to pass through a nominal 710 µm aperture sieve. Prior to any grinding, any material which is retained on a sieve of mesh size 4.75mm is discarded. In most cases, analysis is carried out directly on these prepared soils.

Note: Where the following information is included in this certificate, it has usually been supplied by the customer: Customer Sample ID, Sample Location, Sample Depth, Sampling Date and Sampling Time. The laboratory shall not be responsible for any information that is supplied by the customer that may affect the validity of results.

Certificate of Analysis

Report No.:	**21-99125-1**
Issue No.:	**1**
Date of Issue	**23/03/2021**
Customer Details:	ALS Life Sciences Limited, Unit7-8, Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US
Customer Contact:	Carrie Foster
Customer Order No.:	210226-129
Customer Reference:	210226-129
Quotation Reference:	210302/08
Description:	1 soil sample
Date Received:	10/03/2021
Date Started:	11/03/2021
Date Completed:	19/03/2021
Test Methods:	Details available on request (refer to SOP code against relevant result/s)
Notes:	None

Approved By: **Matthew Hickson, Laboratory Manager**

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service.
This certificate shall not be reproduced except in full without the prior written approval of the laboratory.
Observations and interpretations are outside of the scope of UKAS accreditation.
Results reported herein relate only to the items supplied to the laboratory for testing.
Results on an Interim Report are not dry-weight corrected.
Where the laboratory is not responsible for the sampling, results apply to the sample(s) as they were received.
The laboratory shall not be responsible for any information that is supplied by the customer that may affect the validity of results.

RPS Environmental Management Limited trading as RPS Mountainheath. Registered in England No. 01756175.

Results Summary

Report No.: 21-99125-1

Customer Reference: 210226-129

Customer Order No: 210226-129

Customer Sample No	**23851603**
Customer Sample ID	WS7A
RPS Sample No	456658
Sample Type	**SOIL**
Sampling Date	16/02/2021

Determinand	CAS No	Codes	SOP	Units	RL	
dry solids (at 105øC)		N	397	% w/w		77.6
dibutyltin (DBT)	1002-53-5	N	in house	mg/kg as cation DW	0.02	0.16
diphenyltin (DPT)		N	in house	mg/kg as cation DW	0.02	< 0.02
monobutyltin (MBT)	78763-54-9	N	in house	mg/kg as cation DW	0.15	< 0.15
monophenyltin (MPT)		N	in house	mg/kg as cation DW	0.02	< 0.02
tributyltin (TBT)	56573-85-4	N	in house	mg/kg as cation DW	0.02	0.42
triphenyltin (TPT)	668-34-8	N	in house	mg/kg as cation DW	0.05	< 0.05
tetrabutyltin	1461-25-2	N	in house	mg/kg as cation DW	0.02	< 0.02

Deviating Samples

Report No.: 21-99125-1

Customer Reference: 210226-129

Customer Order No: 210226-129

Our policy on Deviating Samples has been implemented in accordance with UKAS Policy on Deviating Samples (TPS63).
RPS is not responsible for the integrity of samples as received, unless RPS personnel performed the sampling. Samples submitted may be declared to be deviating.
Where applicable the analysis method remains UKAS accredited, however results reported for a deviating sample may be compromised.
Where no sampling date was supplied, samples have been declared to be deviating. If the date can be supplied, results may be reissued if assessed not deviating.
Where the sample container used was unsuitable or broken, the sample is flagged as deviating and re-sampling/re-submisson may be required.

RPS No.	Customer No.	Customer ID	Date Sampled	Containers Received	Deviating	Reason for Deviation
456658	23851603		16/02/2021	60ml amber glass jar	**Yes**	Holding time has been exceeded.

Report No.: 21-99125-1

Key Code	Description
U	UKAS Accredited Test - UKAS accreditation is only implied if the report carries the UKAS logo
F	UKAS Flexible Scope Test
M	MCERTS Accredited Test - MCERTS accreditation is only implied if the report carries the MCERTS logo
N	Not Accredited Test
O	Marine Management Organisation (MMO) Validated
S	Subcontracted to approved laboratory
US	Subcontracted to approved laboratory UKAS Accredited for the test
MS	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
SI	Subcontracted to internal RPS Group laboratory
USI	Subcontracted to internal RPS Group laboratory UKAS Accredited for the test
MSI	Subcontracted to internal RPS Group laboratory MCERTS/UKAS Accredited for the test
I/S (in results)	Insufficient Sample
U/S (in results)	Unsuitable Sample
S/C (in results)	See Comments
ND (in results)	Not Detected
AD (in units)	Results are expressed on an air-dried basis at 30 °C
DW (in units)	Results are expressed on a dry weight basis at 105 °C

Sample Type	Sample Retention and Disposal Period
Foodstuff	1 month (if frozen) from the issue date of this report
Waters	2 weeks from the issue date of this report
Other Liquids	1 month from the issue date of this report
Solids / Soils	1 month from the issue date of this report
Sediments	1 month from the issue date of this report

Note: Sample retention may be subject to agreement with the customer for particular projects

Where the dry solids value of a sample is low (<50%), reporting limits are automatically raised for all determinants analysed on an as-received basis.

Soil Typing	Description
Type 1	Clay - Brown
Type 2	Clay - Grey/Black
Type 3	Sand
Type 4	Top Soil (Standard)
Type 5	Top Soil (High Peat)
Type 6	Made Ground (>50% Clay)
Type 7	Made Ground (>50% Sand)
Type 8	Made Ground (>50% Top Soil)
Type X	Other

Certificate Notes	Description
Note 1	This test report shall not be reproduced except in full, without written approval of the Laboratory.
Note 2	Unless otherwise stated, results are not corrected for analytical recoveries.
Note 3	All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients. Once submitted, samples requiring analysis are stored at 5 ± 3°C. The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.
Note 4	Samples were taken by the customer and, unless otherwise stated, sampling locations were not supplied.
Note 5	Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.
Note 6	Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Note for results expressed on an air-dried basis: Results for soil samples are reported based on the dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30 °C and subsequently ground and seived to pass through a nominal 710 µm aperture sieve. Prior to any grinding, any material which is retained on a sieve of mesh size 4.75mm is discarded. In most cases, analysis is carried out directly on these prepared soils.

Note: Where the following information is included in this certificate, it has usually been supplied by the customer: Customer Sample ID, Sample Location, Sample Depth, Sampling Date and Sampling Time. The laboratory shall not be responsible for any information that is supplied by the customer that may affect the validity of results.

Appendix General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Matrix interference**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**
§	**Sampled on date not provided**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Appendix B.8

LABORATORY DATA - GROUNDWATER RESULTS

CONFIDENTIAL

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

WSP PB LBH
WSP PB
4th Floor
6 Devonshire Square
London
EC2M 4YE

Attention: Chris Summers

CERTIFICATE OF ANALYSIS

Date of report Generation:	17 March 2021
Customer:	WSP PB LBH
Sample Delivery Group (SDG):	210309-3
Your Reference:	70067958
Location:	JHP Land, Tipner West
Report No:	590932

We received 11 samples on Saturday March 06, 2021 and 11 of these samples were scheduled for analysis which was completed on Wednesday March 17, 2021. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
23860253	BH1	EW20210305	1.00 - 4.00	05/03/2021
23860292	BH1	EW20210305	8.00	05/03/2021
23860324	BH2	EW20210304	1.00 - 5.00	04/03/2021
23860334	BH3	EW20210304	1.00 - 5.00	04/03/2021
23860345	BH5	EW20210305	2.00 - 5.00	05/03/2021
23860357	BH5	EW20210305	8.00	05/03/2021
23860373	BH7	EW20210304	1.00 - 5.00	04/03/2021
23860270	BH8	EW20210304	1.00 - 5.00	04/03/2021
23860281	BH9	EW20210304	1.00 - 5.00	04/03/2021
23860303	BH10	EW20210304	1.00 - 2.00	04/03/2021
23860313	BH10	EW20210304	8.00	04/03/2021

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)	23860253	23860292	23860324	23860334
Customer Sample Reference	BH1	BH1	BH2	BH3
AGS Reference	EW2021030 5	EW2021030 5	EW2021030 4	EW2021030 4
Depth (m)	1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00
Container	0.5l glass bottle (ALE227) / 500ml Plastic (ALE208) / H2SO4 (ALE244) / HNO3 Filtered (ALE204) / NaOH (ALE245) / Vial (ALE297)	0.5l glass bottle (ALE227) / 500ml Plastic (ALE208) / H2SO4 (ALE244) / HNO3 Filtered (ALE204) / NaOH (ALE245) / Vial (ALE297)	0.5l glass bottle (ALE227) / 500ml Plastic (ALE208) / H2SO4 (ALE244) / HNO3 Filtered (ALE204) / NaOH (ALE245) / Vial (ALE297)	0.5l glass bottle (ALE227) / 500ml Plastic (ALE208) / H2SO4 (ALE244)
Sample Type	GW	GW	GW	GW

Anions by Kone (w)	All	NDPs: 0 Tests: 11		X						X						X						X		
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 11				X						X						X							
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 11	X						X						X						X				
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 11	X						X						X						X				
GRO by GC-FID (W)	All	NDPs: 0 Tests: 11						X						X						X					
Low Level Cyanide (W)	All	NDPs: 0 Tests: 11					X						X						X						
Low Level Hexavalent Chromium (w)	All	NDPs: 0 Tests: 11		X						X						X						X			
Mercury Dissolved	All	NDPs: 0 Tests: 11				X						X						X							
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 11	X						X						X						X				
pH Value	All	NDPs: 0 Tests: 11		X						X						X						X			
Phenols by HPLC (W)	All	NDPs: 0 Tests: 11			X						X						X								X
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 11	X						X						X						X				
TPH CWG (W)	All	NDPs: 0 Tests: 11	X						X						X						X				
VOC MS (W)	All	NDPs: 0 Tests: 11						X						X						X					

23860373	BH7	EW20210304	1.00 - 5.00	HNO3 Filtered (ALE204)	GW		X						X									
				H2SO4 (ALE244)	GW												X					
				500ml Plastic (ALE208)	GW	X						X				X						
				0.5l glass bottle (ALE227)	GW			X	X						X				X		X	
23860357	BH5	EW20210305	8.00	Vial (ALE297)	GW					X												X
				NaOH (ALE245)	GW						X											
				HNO3 Filtered (ALE204)	GW		X						X									
				H2SO4 (ALE244)	GW												X					
				500ml Plastic (ALE208)	GW	X						X				X						
				0.5l glass bottle (ALE227)	GW			X	X						X				X		X	
23860345	BH5	EW20210305	2.00 - 5.00	Vial (ALE297)	GW					X												X
				NaOH (ALE245)	GW						X											
				HNO3 Filtered (ALE204)	GW		X						X									
				H2SO4 (ALE244)	GW												X					
				500ml Plastic (ALE208)	GW	X						X				X						
				0.5l glass bottle (ALE227)	GW			X	X						X				X		X	
23860334	BH3	EW20210304	1.00 - 5.00	Vial (ALE297)	GW					X												X
				NaOH (ALE245)	GW						X											
				HNO3 Filtered (ALE204)	GW		X						X									

Validated

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			23860373		23860270								23860281					23860303					23860313
Customer Sample Reference			BH7		BH8								BH9					BH10					BH10
AGS Reference			EW20210304		EW20210304								EW20210304					EW20210304					EW20210304
Depth (m)			1.00 - 5.00		1.00 - 5.00								1.00 - 5.00					1.00 - 2.00					8.00
Container			NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)
Sample Type			GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Anions by Kone (w)	All	NDPs: 0 Tests: 11				X						X						X					
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 11						X						X						X			
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 11			X						X						X						X
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 11			X						X						X						X
GRO by GC-FID (W)	All	NDPs: 0 Tests: 11		X						X						X						X	
Low Level Cyanide (W)	All	NDPs: 0 Tests: 11	X						X						X						X		
Low Level Hexavalent Chromium (w)	All	NDPs: 0 Tests: 11				X						X						X					
Mercury Dissolved	All	NDPs: 0 Tests: 11						X						X						X			
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 11			X						X						X						X
pH Value	All	NDPs: 0 Tests: 11				X						X						X					
Phenols by HPLC (W)	All	NDPs: 0 Tests: 11					X						X						X				
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 11			X						X						X						X
TPH CWG (W)	All	NDPs: 0 Tests: 11			X						X						X						X
VOC MS (W)	All	NDPs: 0 Tests: 11		X						X						X						X	

					23860313
					BH10
					EW20210304
					8.00
500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	
GW	GW	GW	GW	GW	
X					
		X			
				X	
			X		
X					
		X			
X					
	X				
				X	

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	BH1	BH1	BH2	BH3	BH5	BH5
Customer Sample Ref.			BH1	BH1	BH2	BH3	BH5	BH5
Depth (m)			1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00	2.00 - 5.00	8.00
Sample Type			Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
Date Sampled			05/03/2021	05/03/2021	04/03/2021	04/03/2021	05/03/2021	05/03/2021
Sampled Time			.	.	.	.	.	.
Date Received			06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
SDG Ref			210309-3	210309-3	210309-3	210309-3	210309-3	210309-3
Lab Sample No.(s)			23860253	23860292	23860324	23860334	23860345	23860357
AGS Reference			EW20210305	EW20210305	EW20210304	EW20210304	EW20210305	EW20210305
Arsenic (diss.filt)	<0.5 µg/l	TM152	21.4 #	3.5 #	1.44 #	6.23 #	4.68 #	5.43 #
Barium (diss.filt)	<0.2 µg/l	TM152	18.7 #	13.7 #	17.8 #	76.6 #	84.8 #	39.5 #
Beryllium (diss.filt)	<0.1 µg/l	TM152	<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #
Boron (diss.filt)	<10 µg/l	TM152	1850 #	1550 #	31 #	2660 #	387 #	2510 #
Cadmium (diss.filt)	<0.08 µg/l	TM152	0.156 #	<0.08 #	<0.08 #	0.199 #	0.0811 #	<0.08 #
Chromium (diss.filt)	<1 µg/l	TM152	1.05 #	<1 #	<1 #	1.02 #	<1 #	<1 #
Copper (diss.filt)	<0.3 µg/l	TM152	5.01 #	0.34 #	0.505 #	2.97 #	2.84 #	<0.3 #
Lead (diss.filt)	<0.2 µg/l	TM152	1.48 #	<0.2 #	2.43 #	1.38 #	0.511 #	<0.2 #
Nickel (diss.filt)	<0.4 µg/l	TM152	16.7 #	5.25 #	1.01 #	7.25 #	18.7 #	5.64 #
Selenium (diss.filt)	<1 µg/l	TM152	8.89 #	1.5 #	<1 #	2.25 #	9.86 #	<1 #
Vanadium (diss.filt)	<1 µg/l	TM152	8.81 #	<1 #	1.42 #	1.87 #	1.83 #	<1 #
Zinc (diss.filt)	<1 µg/l	TM152	10.1 #	135 #	5.18 #	20.6 #	17.1 #	13.5 #
Mercury (diss.filt)	<0.01 µg/l	TM183	<0.01 #	<0.01 #	0.0127 #	<0.01 #	<0.01 #	<0.01 #
Sulphate	<2000 µg/l	TM184	287000 #	467000 #	22000 #	2240000 #	580000 #	1040000 #
pH	<1 pH Units	TM256	8.43 #	7.74 #	7.53 #	7.72 #	7.46 #	7.58 #
Resorcinol	<10 µg/l	TM259	<10	<10	<10	<10	<10	<10
Catechol	<10 µg/l	TM259	<10	<10	<10	<10	<10	<10
Phenol	<2 µg/l	TM259	<2 #	<2 #	<2 #	<2 #	<2 #	<2 #
Cresols	<6 µg/l	TM259	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Xylenols	<8 µg/l	TM259	<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
1-Naphthol	<10 µg/l	TM259	<10	<10	<10	<10	<10	<10
2,3,5-Trimethylphenol	<3 µg/l	TM259	<3 #	<3 #	<3 #	<3 #	<3 #	<3 #
2-Isopropylphenol	<6 µg/l	TM259	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Phenols, Total Detected 8 Speciated	<45 µg/l	TM259	<45	<45	<45	<45	<45	<45
Cyanide, Total (low level)	<5 µg/l	TM279	<5 #	<5 #	<5 #	70 #	<5 #	<5 #
Dibutyl tin	<0.005 µg/l	TM328	<0.03	<0.005	<0.03	<0.03	<0.03	<0.006
Tributyl tin	<0.001 µg/l	TM328	<0.006	<0.001	<0.006	<0.006	<0.006	<0.0012
Tetrabutyl tin	<0.002 µg/l	TM328	<0.012	<0.002	<0.012	<0.012	<0.012	<0.0024
Triphenyl tin	<0.001 µg/l	TM328	<0.006	<0.001	<0.006	<0.006	<0.006	<0.0012
Surrogate**	%	TM328	72.5	86.5	76.9	88.3	80.8	76.7
Low Level Hexavalent Chromium	<3 µg/l	TM331	<3	<3	<3	<3	<3	<3

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	BH7	BH8	BH9	BH10	BH10
Customer Sample Ref.			BH7	BH8	BH9	BH10	BH10
Depth (m)			1.00 - 5.00	1.00 - 5.00	1.00 - 5.00	1.00 - 2.00	8.00
Sample Type			Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
Date Sampled			04/03/2021	04/03/2021	04/03/2021	04/03/2021	04/03/2021
Sampled Time			.	.	.	.	.
Date Received			06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
SDG Ref			210309-3	210309-3	210309-3	210309-3	210309-3
Lab Sample No.(s)			23860373	23860270	23860281	23860303	23860313
AGS Reference			EW20210304	EW20210304	EW20210304	EW20210304	EW20210304
Arsenic (diss.filt)	<0.5 µg/l	TM152	<3 #	<3 #	5.23 #	2.74 #	4.83 #
Barium (diss.filt)	<0.2 µg/l	TM152	9.88 #	41.4 #	78.7 #	51 #	38 #
Beryllium (diss.filt)	<0.1 µg/l	TM152	<0.6 #	<0.6 #	<0.1 #	<0.1 #	<0.1 #
Boron (diss.filt)	<10 µg/l	TM152	4210 #	3690 #	3080 #	295 #	2520 #
Cadmium (diss.filt)	<0.08 µg/l	TM152	<0.48 #	<0.48 #	1.61 #	<0.08 #	<0.08 #
Chromium (diss.filt)	<1 µg/l	TM152	<6 #	<6 #	<1 #	<1 #	<1 #
Copper (diss.filt)	<0.3 µg/l	TM152	<1.8 #	<1.8 #	4.35 #	2.41 #	0.961 #
Lead (diss.filt)	<0.2 µg/l	TM152	<1.2 #	<1.2 #	0.241 #	1.51 #	0.555 #
Nickel (diss.filt)	<0.4 µg/l	TM152	<2.4 #	9.12 #	176 #	10.5 #	5.49 #
Selenium (diss.filt)	<1 µg/l	TM152	<6 #	<6 #	2.6 #	6.73 #	3.22 #
Vanadium (diss.filt)	<1 µg/l	TM152	<6 #	<6 #	2.05 #	1.55 #	1.29 #
Zinc (diss.filt)	<1 µg/l	TM152	7.58 #	23.2 #	30.9 #	23.2 #	30 #
Mercury (diss.filt)	<0.01 µg/l	TM183	<0.01 #	<0.01 #	<0.01 #	<0.01 #	<0.01 #
Sulphate	<2000 µg/l	TM184	2600000 #	2410000 #	598000 #	161000 #	287000 #
pH	<1 pH Units	TM256	7.97 #	7.64 #	7.52 #	7.58 #	7.86 #
Resorcinol	<10 µg/l	TM259	<10	<10	<10	<10	<10
Catechol	<10 µg/l	TM259	<10	<10	<10	<10	<10
Phenol	<2 µg/l	TM259	<2 #	<2 #	<2 #	<2 #	<2 #
Cresols	<6 µg/l	TM259	<6 #	<6 #	<6 #	<6 #	<6 #
Xylenols	<8 µg/l	TM259	<8 #	<8 #	<8 #	<8 #	<8 #
1-Naphthol	<10 µg/l	TM259	<10	<10	<10	<10	<10
2,3,5-Trimethylphenol	<3 µg/l	TM259	<3 #	<3 #	<3 #	<3 #	<3 #
2-Isopropylphenol	<6 µg/l	TM259	<6 #	<6 #	<6 #	<6 #	<6 #
Phenols, Total Detected 8 Speciated	<45 µg/l	TM259	<45	<45	<45	<45	<45
Cyanide, Total (low level)	<5 µg/l	TM279	<5 #	<5 #	<5 #	<5 #	<5 #
Dibutyl tin	<0.005 µg/l	TM328	<0.005	<0.03	<0.005	<0.005	<0.005
Tributyl tin	<0.001 µg/l	TM328	<0.001	<0.006	<0.001	<0.001	<0.001
Tetrabutyl tin	<0.002 µg/l	TM328	<0.002	<0.012	<0.002	<0.002	<0.002
Triphenyl tin	<0.001 µg/l	TM328	<0.001	<0.006	<0.001	<0.001	<0.001
Surrogate**	%	TM328	85.3	71.1	80.6	81.8	84
Low Level Hexavalent Chromium	<3 µg/l	TM331	<3	<3	<3	<3	<3

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH1	BH1	BH2	BH3	BH5	BH5
			Depth (m)	1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00	2.00 - 5.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	05/03/2021	05/03/2021	04/03/2021	04/03/2021	05/03/2021	05/03/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860253	23860292	23860324	23860334	23860345	23860357
			AGS Reference	EW20210305	EW20210305	EW20210304	EW20210304	EW20210305	EW20210305
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2-Chlorophenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2-Methylphenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2-Nitroaniline (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
2-Nitrophenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
3-Nitroaniline (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
4-Chloroaniline (aq)	<1 µg/l	TM176		<4	<10	<1	<1	<1	<8
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
4-Methylphenol (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
4-Nitroaniline (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
4-Nitrophenol (aq)	<1 µg/l	TM176		<4	<10	<1	<1	<1	<8
Azobenzene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Acenaphthylene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Acenaphthene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Anthracene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<8 @ #	<20 #	2.78 #	<2 #	<2 @ #	<16 @ #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH1	BH1	BH2	BH3	BH5	BH5
			Depth (m)	1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00	2.00 - 5.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	05/03/2021	05/03/2021	04/03/2021	04/03/2021	05/03/2021	05/03/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860253	23860292	23860324	23860334	23860345	23860357
			AGS Reference	EW20210305	EW20210305	EW20210304	EW20210304	EW20210305	EW20210305
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Carbazole (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Chrysene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Dibenzofuran (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Diethyl phthalate (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Dimethyl phthalate (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<20 @ #	<50 #	<5 #	<5 #	<5 @ #	<40 @ #
Fluoranthene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Fluorene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Hexachlorobenzene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Pentachlorophenol (aq)	<1 µg/l	TM176		<4	<10	<1	<1	<1	<8
Phenol (aq)	<1 µg/l	TM176		<4	<10	<1	<1	<1	<8
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Hexachloroethane (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Nitrobenzene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Naphthalene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Isophorone (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<4	<10	<1	<1	<1	<8
Phenanthrene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #
Pyrene (aq)	<1 µg/l	TM176		<4 @ #	<10 #	<1 #	<1 #	<1 @ #	<8 @ #

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH8	BH9	BH10	BH10
			Depth (m)	1.00 - 5.00	1.00 - 5.00	1.00 - 5.00	1.00 - 2.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	04/03/2021	04/03/2021	04/03/2021	04/03/2021	04/03/2021
			Sampled Time	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860373	23860270	23860281	23860303	23860313
			AGS Reference	EW20210304	EW20210304	EW20210304	EW20210304	EW20210304
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2-Chlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
2-Nitrophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
3-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<10	<10
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
4-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
4-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<10	<10
Azobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Acenaphthylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Acenaphthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2 #	<2 #	<2 #	<20 #	<20 #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH8	BH9	BH10	BH10
			Depth (m)	1.00 - 5.00	1.00 - 5.00	1.00 - 5.00	1.00 - 2.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	04/03/2021	04/03/2021	04/03/2021	04/03/2021	04/03/2021
			Sampled Time	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860373	23860270	23860281	23860303	23860313
			AGS Reference	EW20210304	EW20210304	EW20210304	EW20210304	EW20210304
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Carbazole (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Chrysene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Dibenzofuran (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Diethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5 #	<5 #	<5 #	<50 #	<50 #
Fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Fluorene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<10	<10
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1	<10	<10
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Hexachloroethane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Nitrobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Naphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Isophorone (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1	<10	<10
Phenanthrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #
Pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<10 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

TPH CWG (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH1	BH1	BH2	BH3	BH5	BH5
			Depth (m)	1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00	2.00 - 5.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	05/03/2021	05/03/2021	04/03/2021	04/03/2021	05/03/2021	05/03/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860253	23860292	23860324	23860334	23860345	23860357
			AGS Reference	EW20210305	EW20210305	EW20210304	EW20210304	EW20210305	EW20210305
GRO Surrogate % recovery**	%	TM245		94	89	93	98	93	105
GRO >C5-C12	<50 µg/l	TM245		<50 #	<50 #	<50 #	<50 #	<50 #	<50 #
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #	<3 #	<3 #
Benzene	<7 µg/l	TM245		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Toluene	<4 µg/l	TM245		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Ethylbenzene	<5 µg/l	TM245		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
m,p-Xylene	<8 µg/l	TM245		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
o-Xylene	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #	<3 #	<3 #
Sum of detected Xylenes	<11 µg/l	TM245		<11	<11	<11	<11	<11	<11
Sum of detected BTEX	<28 µg/l	TM245		<28	<28	<28	<28	<28	<28
Aliphatics >C5-C6	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		<10	<10	76	<10	<10	<10
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		<10	<10	76	<10	<10	<10
Aromatics >EC5-EC7	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		15	<10	<10	<10	<10	<10
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		15	<10	<10	<10	<10	<10
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		15	<10	76	<10	<10	<10
Aliphatics >C16-C35 Aqueous	<10 µg/l	TM174		<10	<10	76	<10	<10	<10

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

TPH CWG (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	BH7	BH8	BH9	BH10	BH10
Customer Sample Ref.			BH7	BH8	BH9	BH10	BH10
Depth (m)			1.00 - 5.00	1.00 - 5.00	1.00 - 5.00	1.00 - 2.00	8.00
Sample Type			Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
Date Sampled			04/03/2021	04/03/2021	04/03/2021	04/03/2021	04/03/2021
Sampled Time			.	.	.	.	.
Date Received			06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
SDG Ref			210309-3	210309-3	210309-3	210309-3	210309-3
Lab Sample No.(s)			23860373	23860270	23860281	23860303	23860313
AGS Reference			EW20210304	EW20210304	EW20210304	EW20210304	EW20210304
GRO Surrogate % recovery**	%	TM245	88	93	88	101	101
GRO >C5-C12	<50 µg/l	TM245	<50 #	<50 #	<50 #	<50 #	<50 #
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245	<3 #	<3 #	<3 #	<3 #	<3 #
Benzene	<7 µg/l	TM245	<7 #	<7 #	<7 #	<7 #	<7 #
Toluene	<4 µg/l	TM245	<4 #	<4 #	<4 #	<4 #	<4 #
Ethylbenzene	<5 µg/l	TM245	<5 #	<5 #	<5 #	<5 #	<5 #
m,p-Xylene	<8 µg/l	TM245	<8 #	<8 #	<8 #	<8 #	<8 #
o-Xylene	<3 µg/l	TM245	<3 #	<3 #	<3 #	<3 #	<3 #
Sum of detected Xylenes	<11 µg/l	TM245	<11	<11	<11	<11	<11
Sum of detected BTEX	<28 µg/l	TM245	<28	<28	<28	<28	<28
Aliphatics >C5-C6	<10 µg/l	TM245	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/l	TM245	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/l	TM245	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/l	TM245	<10	<10	<10	<10	<10
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174	<10	<10	<10	<10	<10
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174	<10	<10	<10	<10	<10
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174	<10	<10	<10	79	<10
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174	<10	<10	<10	79	<10
Aromatics >EC5-EC7	<10 µg/l	TM245	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/l	TM245	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/l	TM245	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/l	TM245	<10	<10	<10	<10	<10
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174	<10	<10	<10	<10	<10
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174	<10	<10	<10	<10	<10
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174	<10	<10	<10	<10	<10
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174	<10	<10	<10	<10	<10
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174	<10	<10	<10	79	<10
Aliphatics >C16-C35 Aqueous	<10 µg/l	TM174	<10	<10	<10	79	<10

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Customer Sample Ref.	BH1	BH1	BH2	BH3	BH5	BH5
Depth (m)	1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00	2.00 - 5.00	8.00
Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
Date Sampled	05/03/2021	05/03/2021	04/03/2021	04/03/2021	05/03/2021	05/03/2021
Sampled Time	.	.	.	.	.	.
Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3	210309-3
Lab Sample No.(s)	23860253	23860292	23860324	23860334	23860345	23860357
AGS Reference	EW20210305	EW20210305	EW20210304	EW20210304	EW20210305	EW20210305

Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM208	104	110	113	109	111	115
Toluene-d8**	%	TM208	99.7	98.6	98.7	99.2	96.8	96.6
4-Bromofluorobenzene**	%	TM208	94.4	93.8	94.2	92.7	93.8	93.9
Dichlorodifluoromethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 @ #
Chloromethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromomethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chloroethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbon disulphide	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dichloromethane	<3 µg/l	TM208	<3 #	<3 #	<3 #	<3 #	<3 #	<3 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,2-Dichloropropane	<1 µg/l	TM208	<1	<1	<1	<1	<1	<1
Bromochloromethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chloroform	<1 µg/l	TM208	<1 #	<1 #	2.25 #	<1 #	<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Trichloroethene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibromomethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208	<1 #	<1 #	3.23 #	<1 #	<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Toluene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,3-Dichloropropene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH1	BH1	BH2	BH3	BH5	BH5
			Depth (m)	1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00	2.00 - 5.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	05/03/2021	05/03/2021	04/03/2021	04/03/2021	05/03/2021	05/03/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860253	23860292	23860324	23860334	23860345	23860357
			AGS Reference	EW20210305	EW20210305	EW20210304	EW20210304	EW20210305	EW20210305
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	5.91 #	<1 #	<1 #	<1 #
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromoform	<1 µg/l	TM208		<1 #	<1 #	3.36 #	<1 #	<1 #	<1 #
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Naphthalene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH1	BH1	BH2	BH3	BH5	BH5
			Depth (m)	1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00	2.00 - 5.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	05/03/2021	05/03/2021	04/03/2021	04/03/2021	05/03/2021	05/03/2021
			Sampled Time	.	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860253	23860292	23860324	23860334	23860345	23860357
			AGS Reference	EW20210305	EW20210305	EW20210304	EW20210304	EW20210305	EW20210305
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1	<1	<1

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH8	BH9	BH10	BH10
			Depth (m)	1.00 - 5.00	1.00 - 5.00	1.00 - 5.00	1.00 - 2.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	04/03/2021	04/03/2021	04/03/2021	04/03/2021	04/03/2021
			Sampled Time	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860373	23860270	23860281	23860303	23860313
			AGS Reference	EW20210304	EW20210304	EW20210304	EW20210304	EW20210304
Dibromofluoromethane**	%	TM208		103	110	111	102	112
Toluene-d8**	%	TM208		100	97.6	98.2	98.3	97.8
4-Bromofluorobenzene**	%	TM208		92.7	93.5	92.5	92.1	94.7
Dichlorodifluoromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 @ #
Chloromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Vinyl chloride	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromomethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Trichlorofluoromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Carbon disulphide	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dichloromethane	µg/l	TM208		<3 #	<3 #	<3 #	<3 #	<3 #
Methyl tertiary butyl ether (MTBE)	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,2-Dichloroethene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,2-Dichloroethene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
2,2-Dichloropropane	µg/l	TM208		<1	<1	<1	<1	<1
Bromochloromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chloroform	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1-Trichloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloropropene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Carbontetrachloride	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Benzene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Trichloroethene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloropropane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dibromomethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromodichloromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,3-Dichloropropene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Toluene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,3-Dichloropropene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2-Trichloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH8	BH9	BH10	BH10
			Depth (m)	1.00 - 5.00	1.00 - 5.00	1.00 - 5.00	1.00 - 2.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	04/03/2021	04/03/2021	04/03/2021	04/03/2021	04/03/2021
			Sampled Time	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860373	23860270	23860281	23860303	23860313
			AGS Reference	EW20210304	EW20210304	EW20210304	EW20210304	EW20210304
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromoform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Naphthalene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	BH7	BH8	BH9	BH10	BH10
			Depth (m)	1.00 - 5.00	1.00 - 5.00	1.00 - 5.00	1.00 - 2.00	8.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	04/03/2021	04/03/2021	04/03/2021	04/03/2021	04/03/2021
			Sampled Time	.	.	.	.	.
			Date Received	06/03/2021	06/03/2021	06/03/2021	06/03/2021	06/03/2021
			SDG Ref	210309-3	210309-3	210309-3	210309-3	210309-3
			Lab Sample No.(s)	23860373	23860270	23860281	23860303	23860313
			AGS Reference	EW20210304	EW20210304	EW20210304	EW20210304	EW20210304
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1	<1

Table of Results - Appendix

Method No	Reference	Description
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters
TM245	By GC-FID	Determination of GRO by Headspace in waters
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter
TM259	by HPLC	Determination of Phenols in Waters and Leachates by HPLC
TM279		Determination of Low Level Easily Liberatable (Free) Cyanides and Total Cyanides in Waters using the Skalar SANS+ System Segmented Flow Analyser
TM328		
TM331		Low Level Hexavalent Chromium

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	23860253	23860292	23860324	23860334	23860345	23860357	23860373	23860270	23860281	23860303
Customer Sample Ref.	BH1	BH1	BH2	BH3	BH5	BH5	BH7	BH8	BH9	BH10
AGS Ref.	EW20210305	EW20210305	EW20210304	EW20210304	EW20210305	EW20210305	EW20210304	EW20210304	EW20210304	EW20210304
Depth	1.00 - 4.00	8.00	1.00 - 5.00	1.00 - 5.00	2.00 - 5.00	8.00	1.00 - 5.00	1.00 - 5.00	1.00 - 5.00	1.00 - 2.00
Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Anions by Kone (w)	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021
Dissolved Metals by ICP-MS	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021
EPH CWG (Aliphatic) Aqueous GC (W)	12-Mar-2021	15-Mar-2021	15-Mar-2021	12-Mar-2021	15-Mar-2021	12-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	12-Mar-2021
EPH CWG (Aromatic) Aqueous GC (W)	12-Mar-2021	15-Mar-2021	15-Mar-2021	12-Mar-2021	15-Mar-2021	12-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	12-Mar-2021
GRO by GC-FID (W)	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	16-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021
Low Level Cyanide (W)	11-Mar-2021	11-Mar-2021	11-Mar-2021	11-Mar-2021	11-Mar-2021	11-Mar-2021	11-Mar-2021	11-Mar-2021	11-Mar-2021	11-Mar-2021
Low Level Hexavalent Chromium (w)	10-Mar-2021	10-Mar-2021	10-Mar-2021	10-Mar-2021	10-Mar-2021	10-Mar-2021	10-Mar-2021	10-Mar-2021	10-Mar-2021	10-Mar-2021
Mercury Dissolved	17-Mar-2021	17-Mar-2021	17-Mar-2021	17-Mar-2021	17-Mar-2021	17-Mar-2021	17-Mar-2021	17-Mar-2021	17-Mar-2021	17-Mar-2021
Organotins in Aqueous Samples	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021
pH Value	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021
Phenols by HPLC (W)	11-Mar-2021	10-Mar-2021	10-Mar-2021	11-Mar-2021	10-Mar-2021	11-Mar-2021	12-Mar-2021	10-Mar-2021	11-Mar-2021	10-Mar-2021
SVOC MS (W) - Aqueous	17-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	17-Mar-2021	17-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021	15-Mar-2021
TPH CWG (W)	15-Mar-2021	15-Mar-2021	16-Mar-2021	15-Mar-2021	15-Mar-2021	16-Mar-2021	15-Mar-2021	15-Mar-2021	16-Mar-2021	15-Mar-2021
VOC MS (W)	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	16-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021	12-Mar-2021

Lab Sample No(s)	23860313
Customer Sample Ref.	BH10
AGS Ref.	EW20210304
Depth	8.00
Type	Ground Water
Anions by Kone (w)	12-Mar-2021
Dissolved Metals by ICP-MS	12-Mar-2021
EPH CWG (Aliphatic) Aqueous GC (W)	15-Mar-2021
EPH CWG (Aromatic) Aqueous GC (W)	15-Mar-2021
GRO by GC-FID (W)	16-Mar-2021
Low Level Cyanide (W)	11-Mar-2021
Low Level Hexavalent Chromium (w)	10-Mar-2021
Mercury Dissolved	17-Mar-2021
Organotins in Aqueous Samples	15-Mar-2021
pH Value	15-Mar-2021
Phenols by HPLC (W)	10-Mar-2021
SVOC MS (W) - Aqueous	15-Mar-2021
TPH CWG (W)	16-Mar-2021
VOC MS (W)	16-Mar-2021

ASSOCIATED AQC DATA

Anions by Kone (w)

Component	Method Code	QC 2377
Sulphate (soluble)	TM184	**101.2** 90.53 : 113.03

Dissolved Metals by ICP-MS

Component	Method Code	QC 2324
Aluminium	TM152	**102.0** 90.98 : 111.82
Antimony	TM152	**99.5** 90.44 : 113.04
Arsenic	TM152	**100.17** 88.00 : 112.00
Barium	TM152	**96.33** 90.20 : 111.19
Beryllium	TM152	**103.33** 87.77 : 113.97
Bismuth	TM152	**99.83** 91.90 : 112.20
Borate	TM152	**101.85** 88.00 : 112.00
Boron	TM152	**102.0** 96.48 : 114.93
Cadmium	TM152	**100.67** 96.43 : 110.53
Calcium	TM152	**101.33** 81.38 : 119.09
Chromium	TM152	**99.17** 91.84 : 108.67
Cobalt	TM152	**96.33** 88.00 : 112.00
Copper	TM152	**99.0** 92.47 : 118.11
Iron	TM152	**99.33** 92.00 : 113.00
Lead	TM152	**99.83** 88.00 : 112.00
Lithium	TM152	**103.5** 91.62 : 113.12
Magnesium	TM152	**97.33** 93.14 : 107.91
Manganese	TM152	**99.0** 95.03 : 110.58
Molybdenum	TM152	**96.83** 88.00 : 112.00
Nickel	TM152	**99.17** 88.00 : 112.00
Phosphorus	TM152	**100.33** 88.00 : 112.00

Dissolved Metals by ICP-MS

		QC 2324
Potassium	TM152	**101.33** 93.90 : 112.36
Selenium	TM152	**101.5** 91.58 : 115.98
Silver	TM152	**99.5** 88.80 : 122.30
Sodium	TM152	**98.67** 94.28 : 110.71
Strontium	TM152	**101.0** 88.00 : 112.00
Tellurium	TM152	**98.33** 93.32 : 114.66
Thallium	TM152	**97.33** 88.00 : 112.00
Tin	TM152	**100.17** 92.63 : 109.70
Titanium	TM152	**103.33** 95.58 : 111.68
Tungsten	TM152	**99.5** 81.32 : 124.72
Uranium	TM152	**99.0** 88.00 : 112.00
Vanadium	TM152	**99.67** 88.00 : 112.00
Zinc	TM152	**100.67** 92.98 : 118.95

EPH CWG (Aliphatic) Aqueous GC (W)

Component	Method Code	QC 2385	QC 2383	QC 2374
Total Aliphatics >C10-C40	TM174	**86.96** 69.79 : 134.39	**100.33** 65.58 : 141.57	**112.54** 68.59 : 134.82

EPH CWG (Aromatic) Aqueous GC (W)

Component	Method Code	QC 2392	QC 2303	QC 2390
Total Aromatics >EC10-EC40	TM174	**98.78** 59.92 : 128.54	**93.17** 60.75 : 129.09	**91.22** 60.75 : 129.09

GRO by GC-FID (W)

Component	Method Code	QC 2318	QC 2358
Benzene by GC	TM245	**102.0** 83.48 : 117.21	**98.0** 81.54 : 119.70
Ethylbenzene by GC	TM245	**99.5** 84.11 : 114.89	**96.5** 80.99 : 121.09
m & p Xylene by GC	TM245	**99.75** 83.73 : 116.33	**96.75** 82.77 : 123.19

GRO by GC-FID (W)

		QC 2318	QC 2358
MTBE GC-FID	TM245	**99.5** 84.42 : 117.50	**95.0** 80.06 : 123.27
o Xylene by GC	TM245	**102.0** 85.03 : 117.59	**99.0** 84.26 : 121.50
QC	TM245	**94.93** 60.71 : 137.65	**116.01** 67.65 : 138.14
Toluene by GC	TM245	**101.0** 84.73 : 116.85	**97.5** 82.78 : 121.99

Low Level Cyanide (W)

Component	Method Code	QC 2346
Free Cyanide - Low Level	TM279	**86.0** 88.26 : 122.21
Total Cyanide - Low Level	TM279	**101.5** 81.83 : 110.45

Mercury Dissolved

Component	Method Code	QC 2315	QC 2350
Mercury Dissolved (CVAF)	TM183	**93.7** 69.30 : 128.70	**99.0** 69.30 : 128.70

Organotins in Aqueous Samples

Component	Method Code	QC 2358
Dibutyl Raw	TM328	**98.89** 77.28 : 120.67
Tetrabutyl Raw	TM328	**103.33** 68.01 : 147.69
Tributyl Raw	TM328	**97.76** 76.36 : 123.51
Triphenyl Raw	TM328	**89.5** 78.05 : 121.85

pH Value

Component	Method Code	QC 2337	QC 2339	QC 2341
pH	TM256	**100.94** 99.33 : 102.54	**100.94** 99.33 : 102.54	**101.07** 99.33 : 102.54

Phenols by HPLC (W)

Phenols by HPLC (W)

Component	Method Code	QC 2342	QC 2350
2.3.5 Trimethyl-Phenol by HPLC (W)	TM259	**50.0** 77.41 : 127.55	**51.0** 77.41 : 127.55
2-Isopropyl Phenol by HPLC (W)	TM259	**50.0** 82.77 : 126.51	**51.0** 82.77 : 126.51
Cresols by HPLC (W)	TM259	**49.33** 76.60 : 126.28	**50.67** 76.60 : 126.28
Napthol by HPLC (W)	TM259	**56.0** 75.40 : 129.40	**58.0** 75.40 : 129.40
Phenol by HPLC (W)	TM259	**51.0** 85.77 : 125.91	**53.0** 85.77 : 125.91
Xylenols by HPLC (W)	TM259	**49.83** 79.09 : 131.82	**51.5** 79.09 : 131.82

SVOC MS (W) - Aqueous

Component	Method Code	QC 2343	QC 2396
4-Bromophenylphenylether	TM176	**87.2** 61.60 : 106.72	**80.8** 52.80 : 111.84
Benzo(a)anthracene	TM176	**87.2** 64.64 : 115.52	**71.84** 59.28 : 107.76
Benzo(a)pyrene	TM176	**92.0** 60.56 : 115.28	**73.52** 54.40 : 105.76
Butylbenzyl phthalate	TM176	**89.6** 57.12 : 116.16	**70.64** 51.68 : 117.92
Hexachlorobutadiene	TM176	**76.08** 52.88 : 95.12	**71.04** 48.64 : 95.68
Naphthalene	TM176	**92.0** 65.68 : 110.32	**83.2** 63.04 : 111.04
Nitrobenzene	TM176	**84.8** 57.12 : 109.44	**79.04** 59.92 : 108.40
Phenol	TM176	**49.68** 37.60 : 70.72	**48.88** 36.88 : 72.40

VOC MS (W)

Component	Method Code	QC 2347	QC 2368
1,1,1,2-Tetrachloroethane	TM208	**105.5** 79.47 : 113.27	**96.5** 81.85 : 113.65
1,1,1-Trichloroethane	TM208	**102.0** 81.01 : 112.00	**96.5** 84.51 : 110.07
1,1-Dichloroethane	TM208	**103.5** 82.09 : 116.41	**99.5** 79.60 : 118.57
1,2-Dichloroethane	TM208	**101.0** 80.28 : 123.63	**99.0** 77.72 : 133.33
2-Chlorotoluene	TM208	**104.0** 83.31 : 110.91	**98.5** 82.89 : 116.61
4-Chlorotoluene	TM208	**105.5** 84.01 : 111.46	**98.0** 79.46 : 115.88
Benzene	TM208	**103.0** 87.46 : 118.30	**101.0** 81.22 : 118.60
Bromomethane	TM208	**100.0** 76.99 : 118.39	**97.0** 79.31 : 116.90
Carbontetrachloride	TM208	**103.5** 81.73 : 114.22	**99.5** 86.16 : 119.10

VOC MS (W)

		QC 2347	QC 2368
Chlorobenzene	TM208	**107.5** 90.24 : 109.71	**100.5** 87.25 : 116.65
Chloroform	TM208	**105.0** 83.67 : 118.08	**101.0** 83.01 : 121.64
Chloromethane	TM208	**123.5** 70.42 : 127.06	**110.5** 65.28 : 130.05
Cis-1,2-Dichloroethene	TM208	**102.5** 83.95 : 112.60	**100.0** 85.03 : 112.75
Dichloromethane	TM208	**103.5** 81.65 : 120.83	**100.0** 78.23 : 120.65
Ethylbenzene	TM208	**101.5** 85.59 : 106.44	**95.0** 79.55 : 110.51
Hexachlorobutadiene	TM208	**91.5** 66.83 : 108.27	**94.0** 68.58 : 117.78
o-Xylene	TM208	**104.0** 78.40 : 110.68	**98.0** 85.06 : 114.91
p/m-Xylene	TM208	**101.0** 82.64 : 112.12	**94.0** 82.09 : 109.18
Tert-butyl methyl ether	TM208	**95.0** 68.23 : 127.69	**97.0** 68.39 : 125.81
Tetrachloroethene	TM208	**104.0** 81.10 : 112.63	**97.5** 82.09 : 113.14
Toluene	TM208	**103.0** 87.40 : 109.78	**99.0** 79.88 : 116.83
Trichloroethene	TM208	**104.0** 81.17 : 111.80	**97.5** 82.30 : 112.45
Vinyl Chloride	TM208	**114.5** 72.73 : 123.40	**104.0** 71.34 : 122.34

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

CERTIFICATE OF ANALYSIS

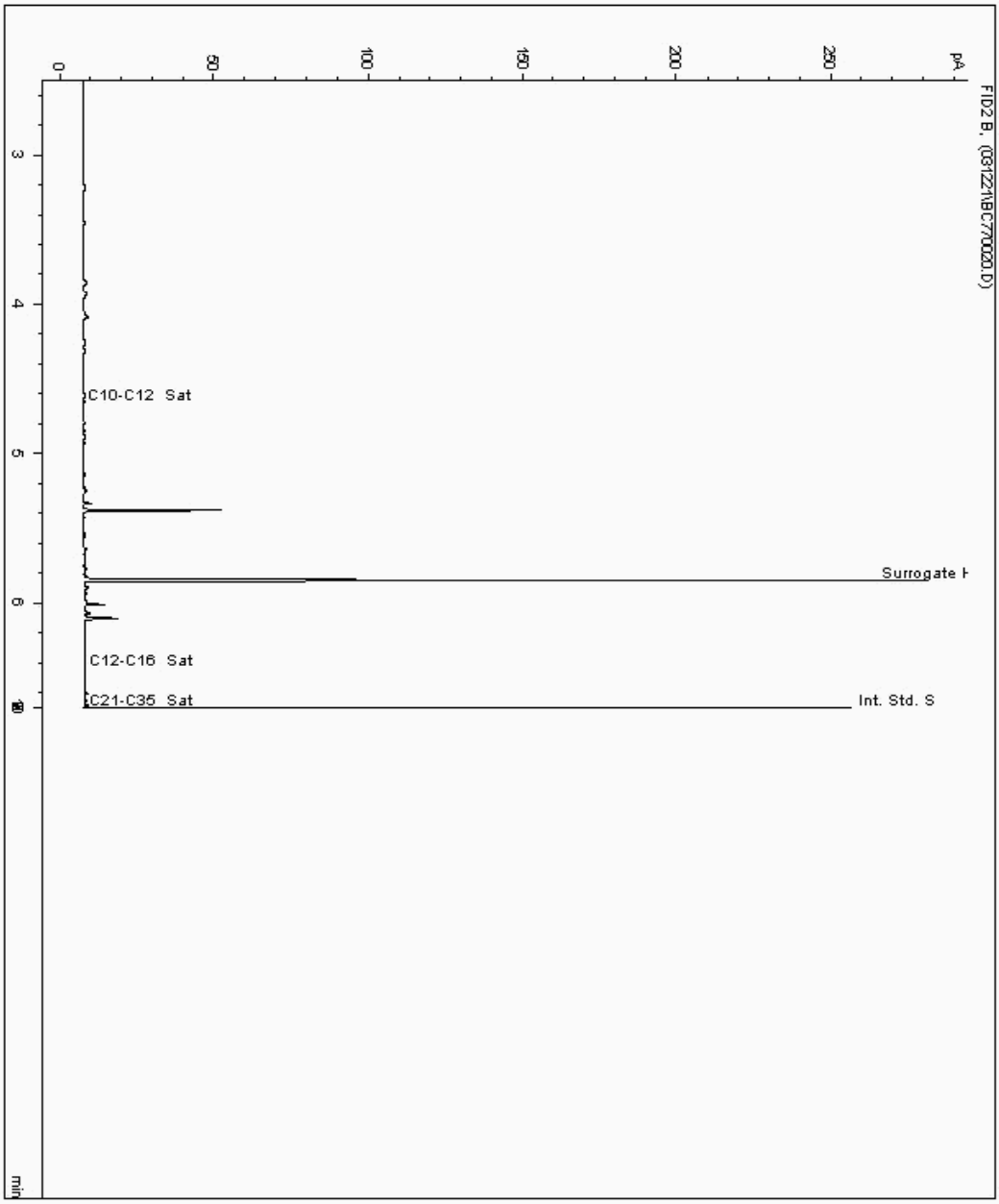
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23864953 **Sample ID :** BH7 **Depth :** 1.00 - 5.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373642-
Date Acquired : 3/13/2021 12:17:12 AM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

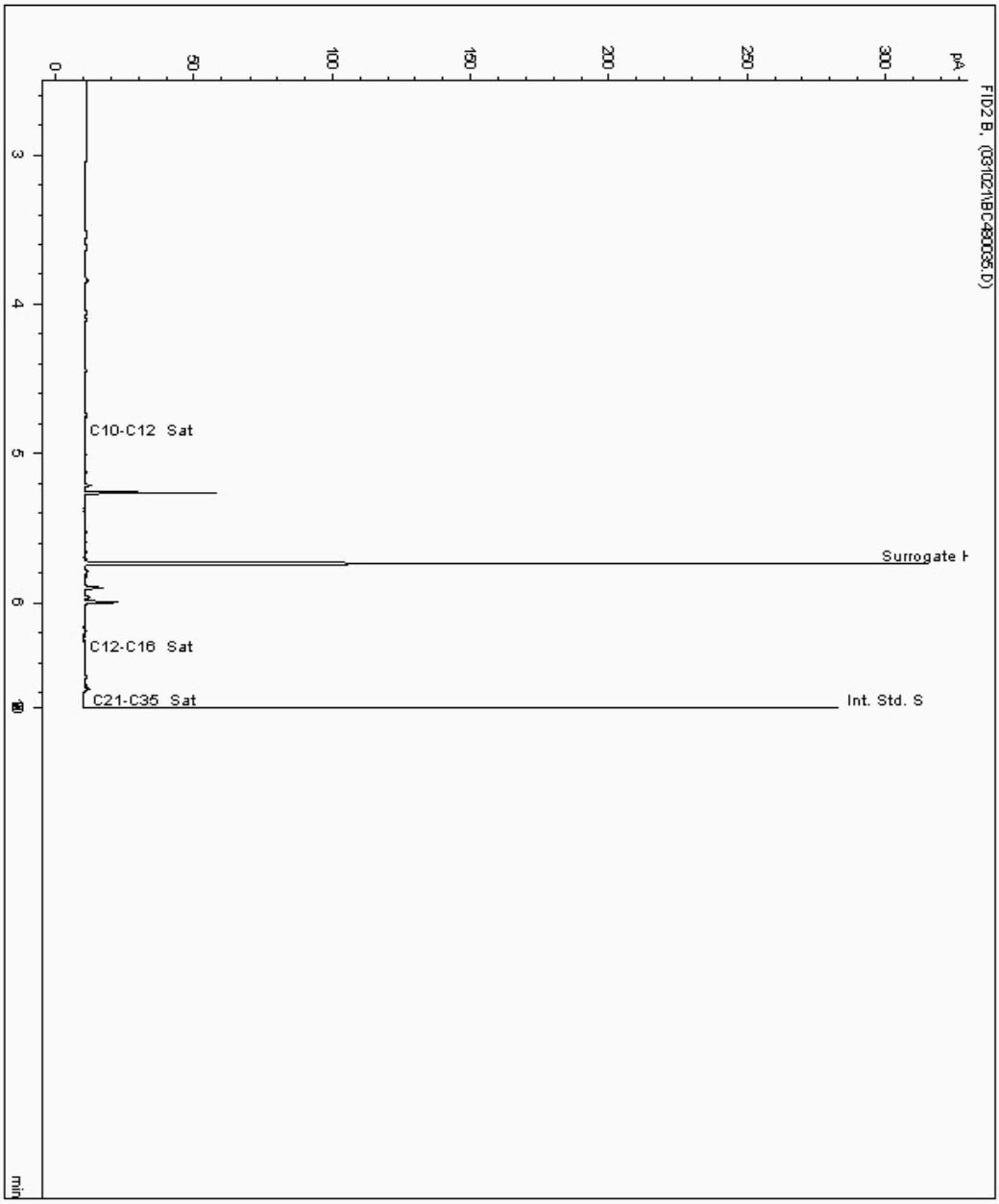
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23864960 **Depth :** 1.00 - 2.00
Sample ID : BH10

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373474-
Date Acquired : 12/03/2021 00:57:45 PM
Units : ppb
Dilution : SE BH10[1.00 - 2.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

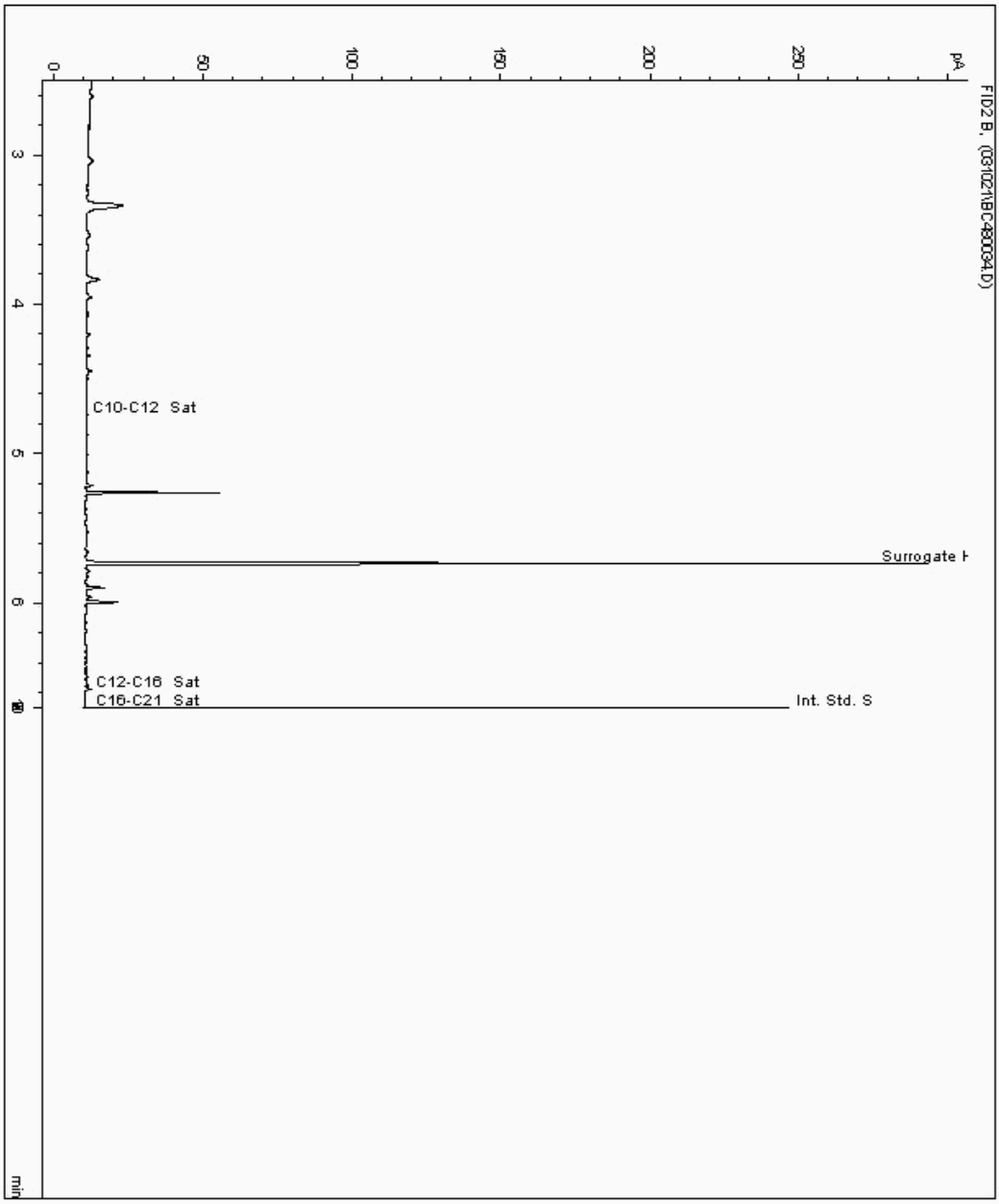
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865204 **Sample ID :** BH1 **Depth :** 1.00 - 4.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373284-
Date Acquired : 12/03/2021 00:34:48 PM
Units : ppb
Dilution : SE BH1[1.00 - 4.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

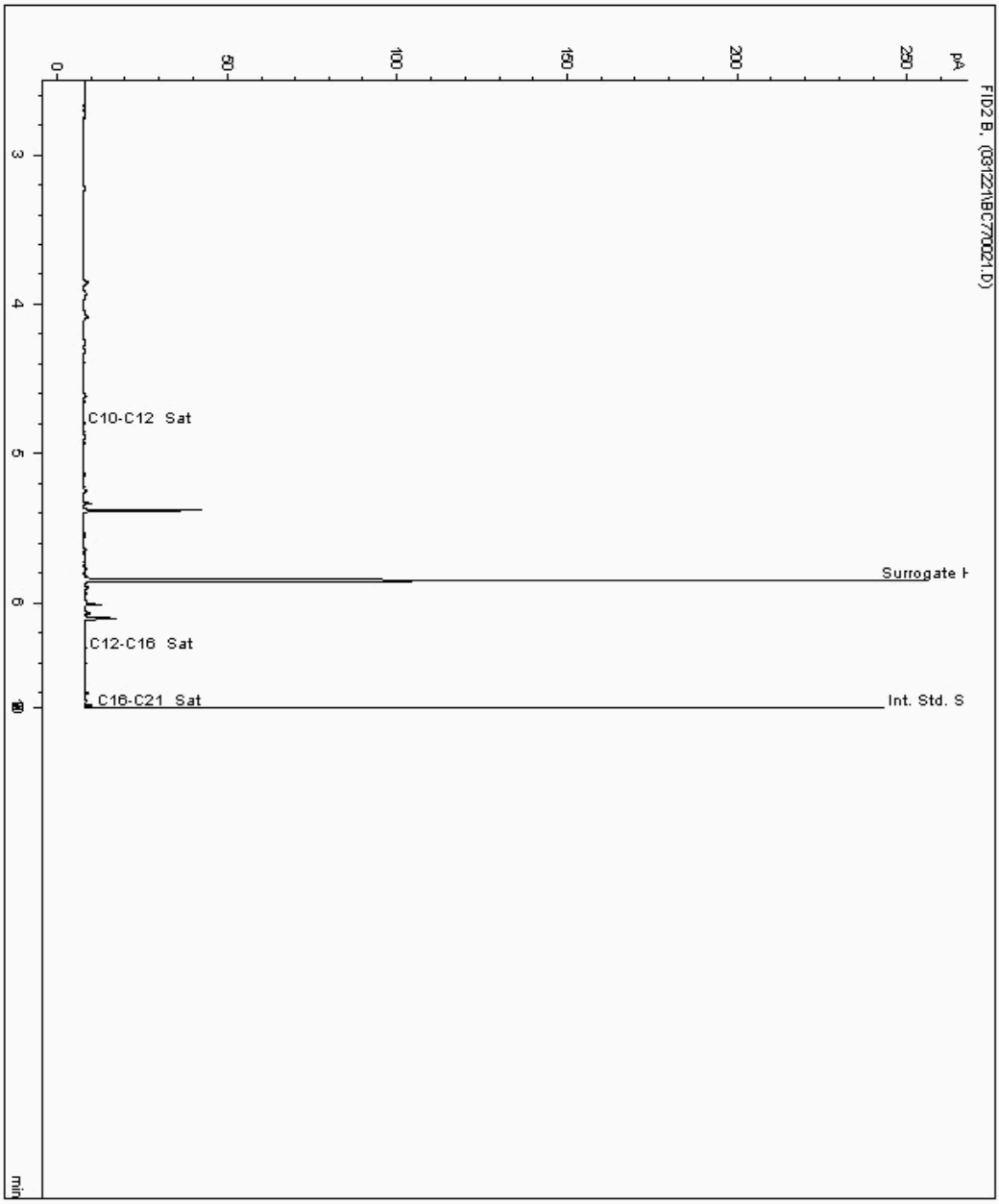
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865213 **Sample ID :** BH5 **Depth :** 2.00 - 5.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373581-
Date Acquired : 3/13/2021 12:41:43 AM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

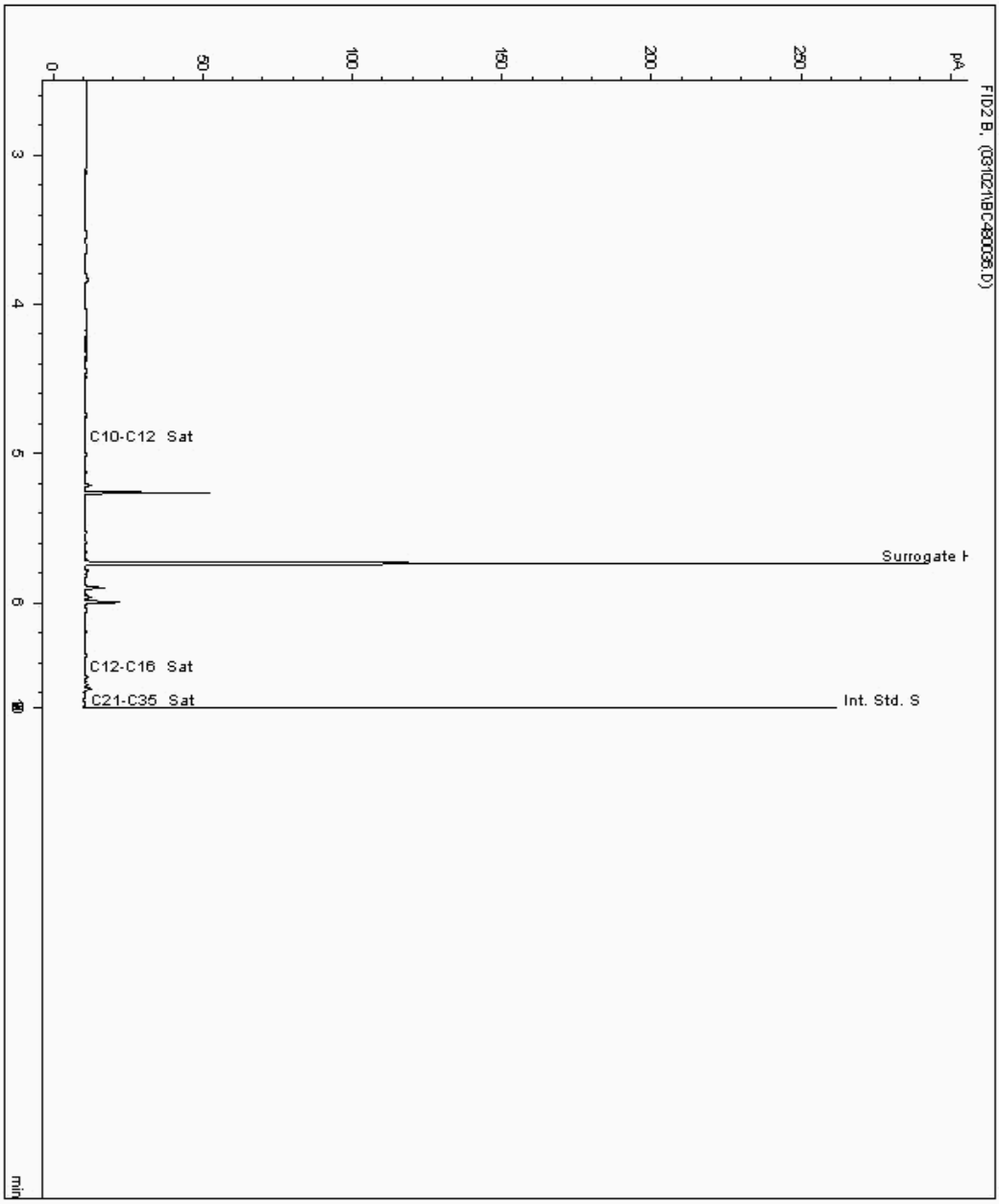
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865215 **Depth :** 8.00
Sample ID : BH5

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373617-
Date Acquired : 12/03/2021 01:20:53 PM
Units : ppb
Dilution : SE BH5[8.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

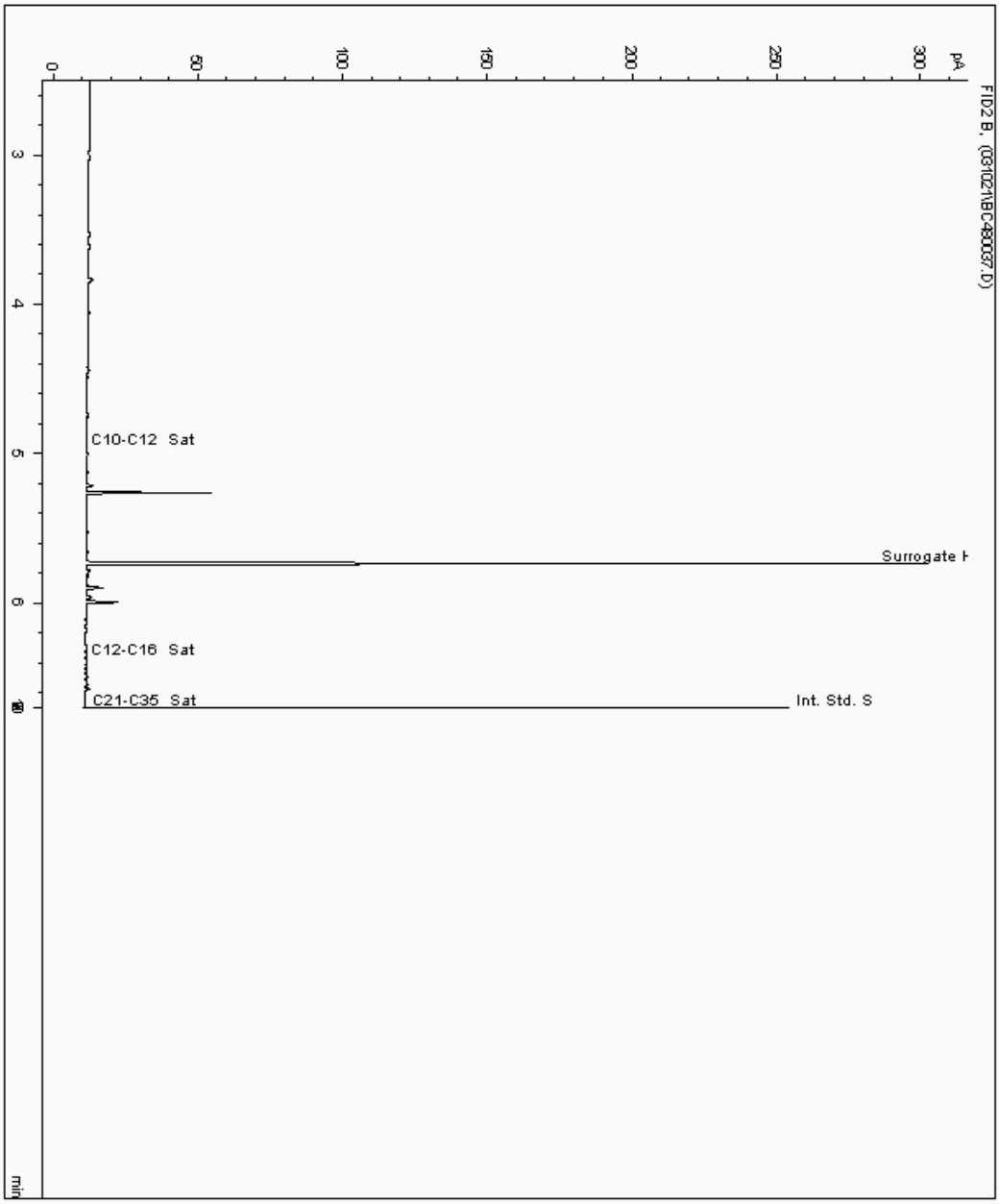
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865238 **Sample ID :** BH3 **Depth :** 1.00 - 5.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373548-
Date Acquired : 12/03/2021 01:43:47 PM
Units : ppb
Dilution : SE BH3[1.00 - 5.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

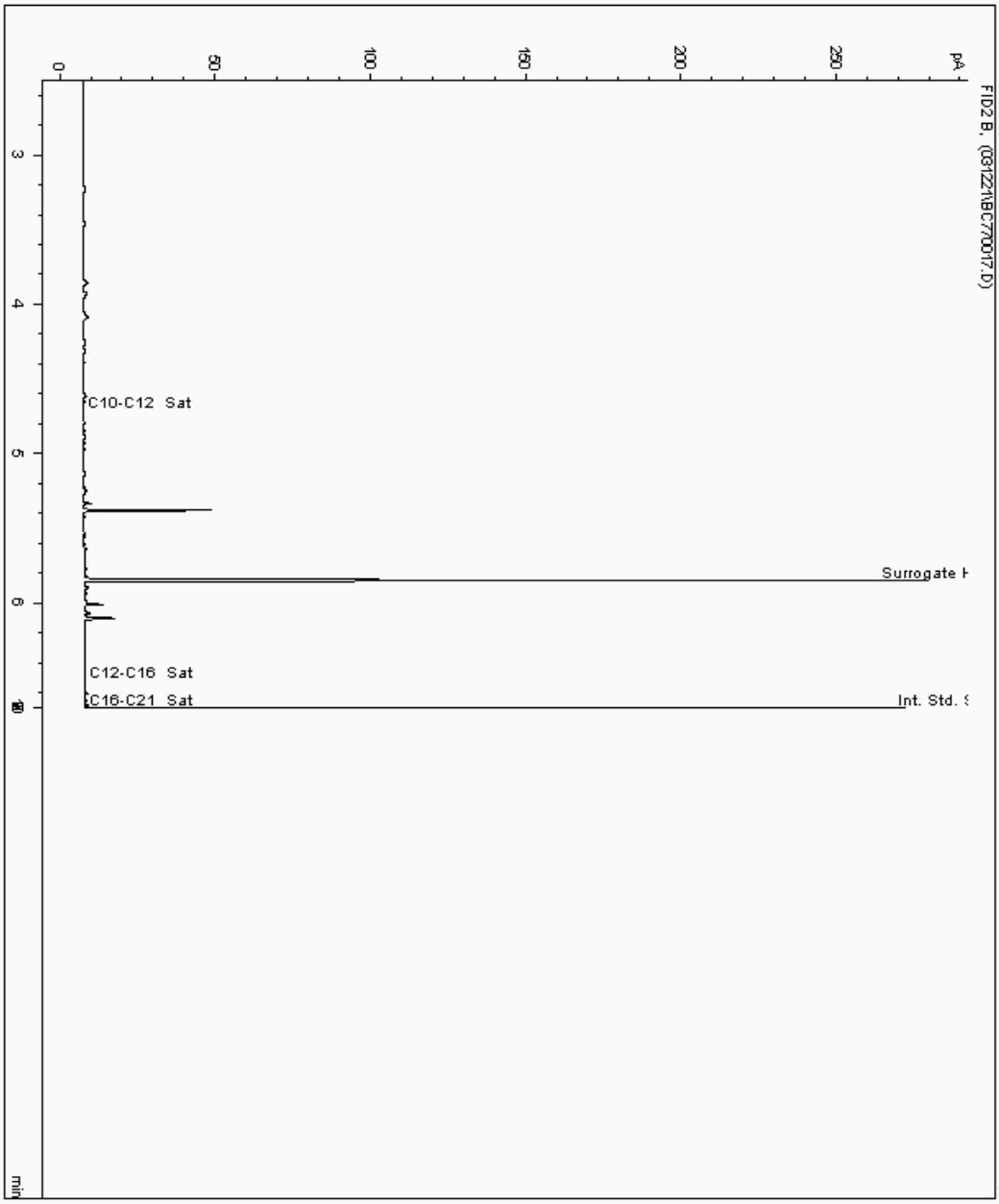
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865282 **Depth :** 8.00
Sample ID : BH1

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373431-
Date Acquired : 3/12/2021 11:03:42 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

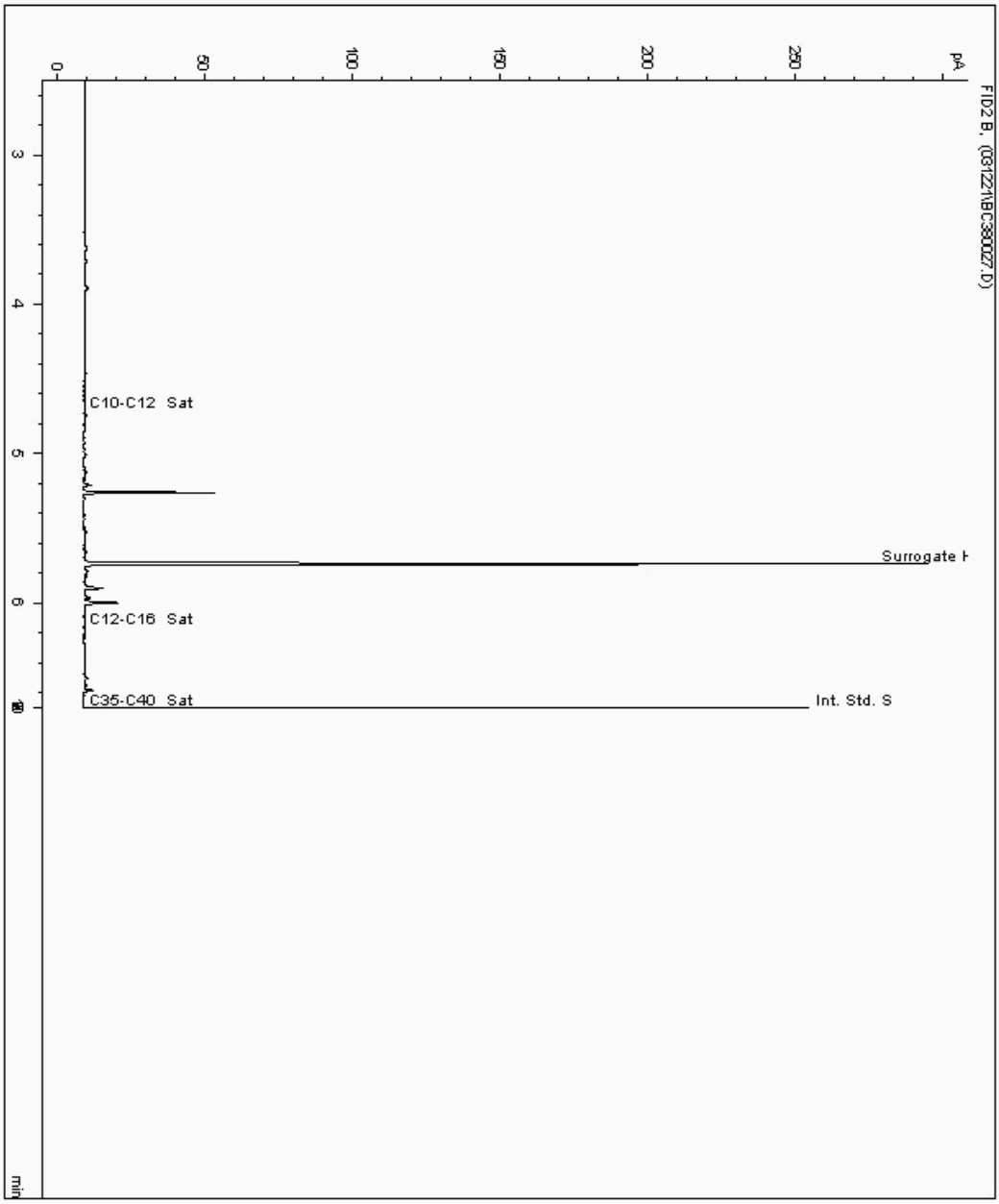
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865299 **Depth :** 1.00 - 5.00
Sample ID : BH9

Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373386-
Date Acquired : 13/03/21 05:27:15 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

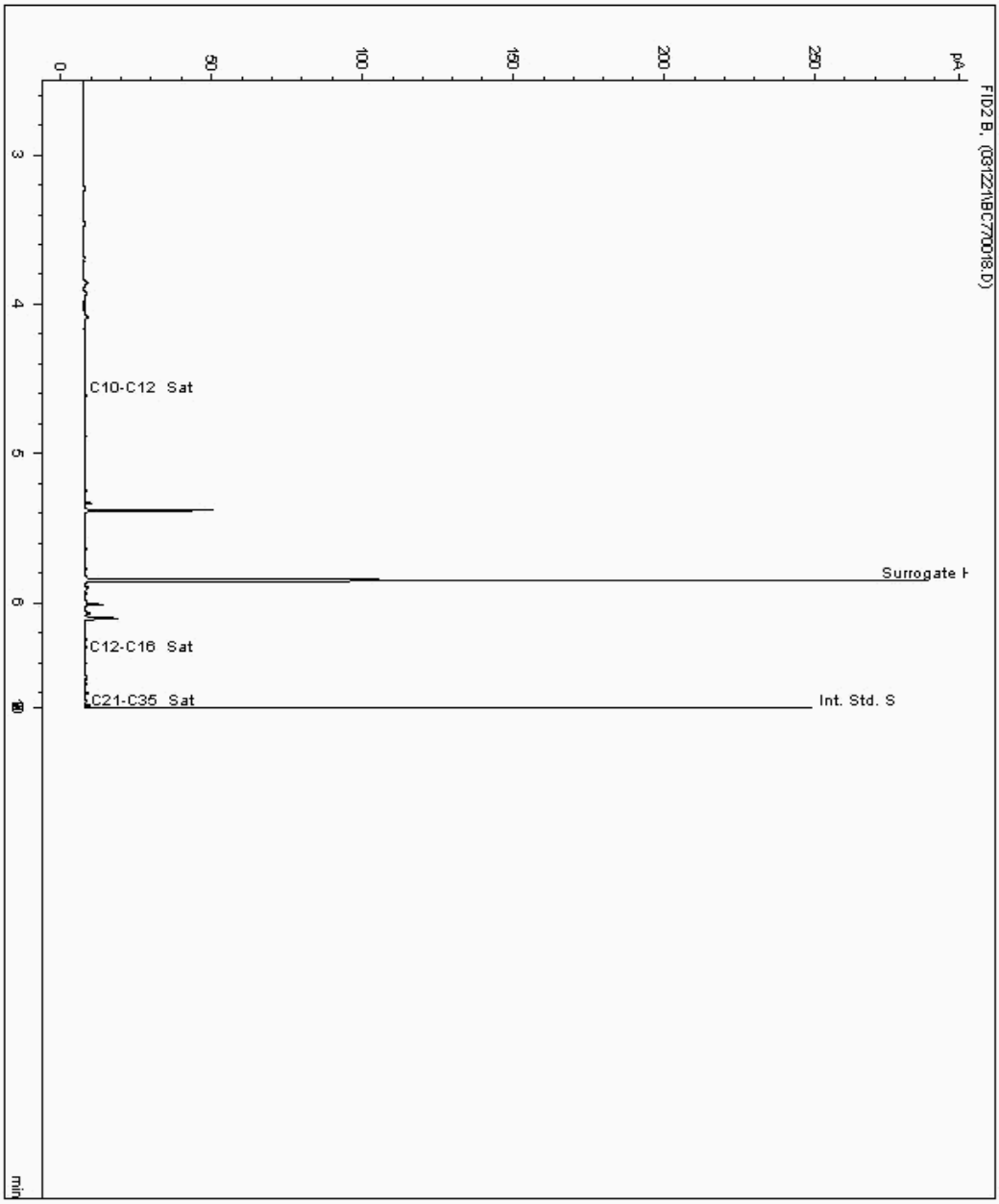
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865320 **Depth :** 8.00
Sample ID : BH10

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373499-
Date Acquired : 3/12/2021 11:28:06 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

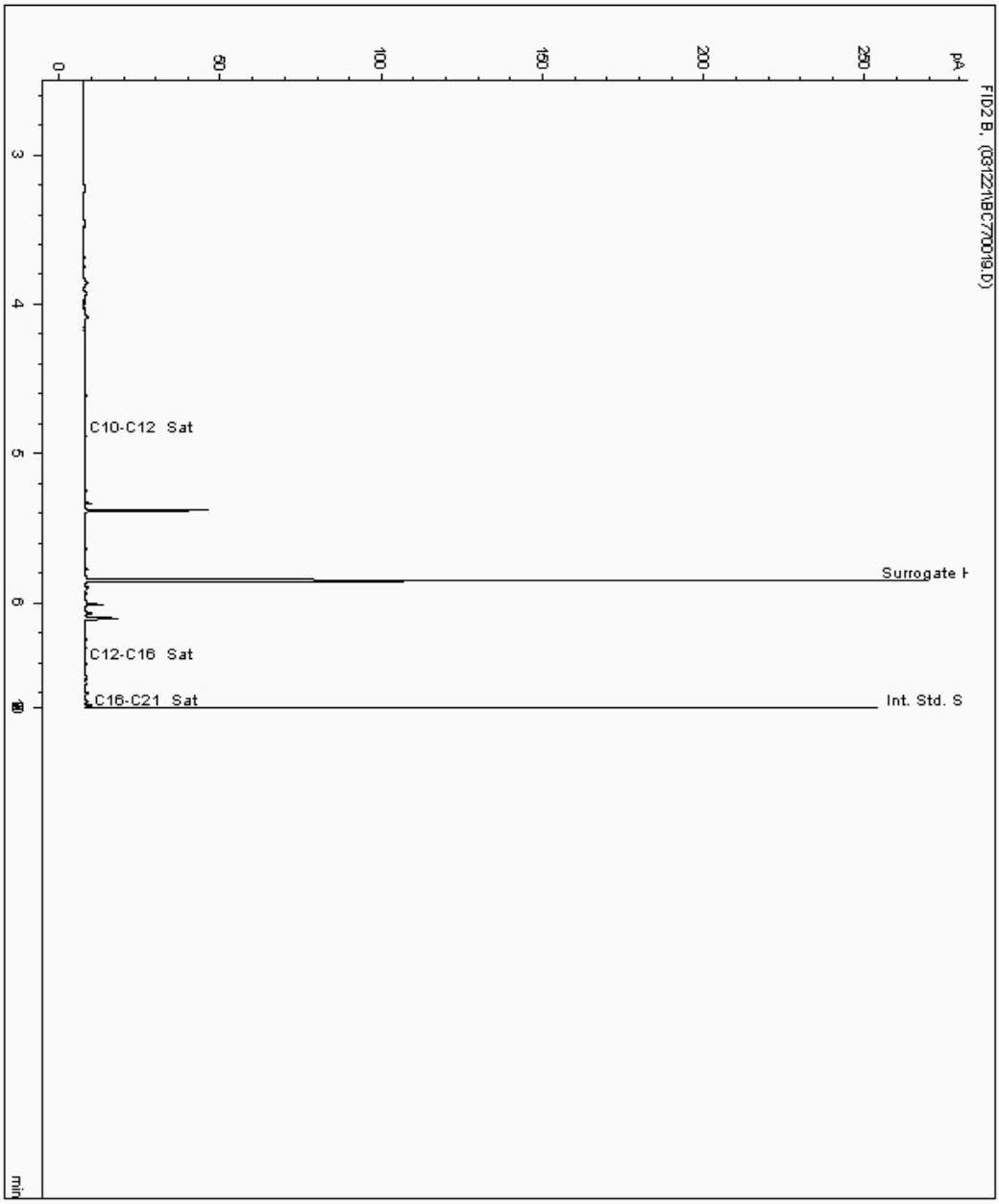
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865329 **Depth :** 1.00 - 5.00
Sample ID : BH8

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373338-
Date Acquired : 3/12/2021 11:52:34 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

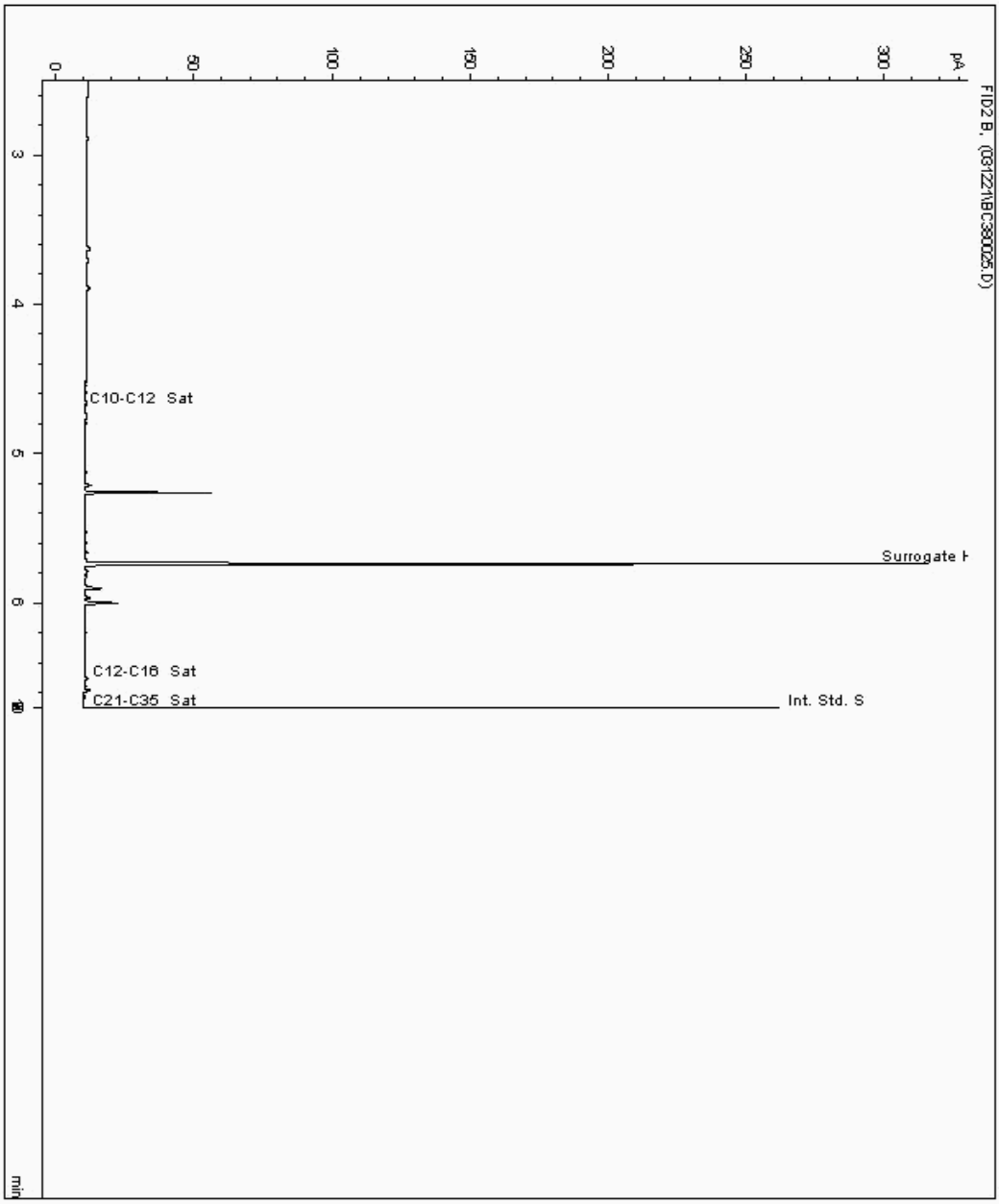
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 23865360 **Depth :** 1.00 - 5.00
Sample ID : BH2

Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373525-
Date Acquired : 13/03/21 04:40:10 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

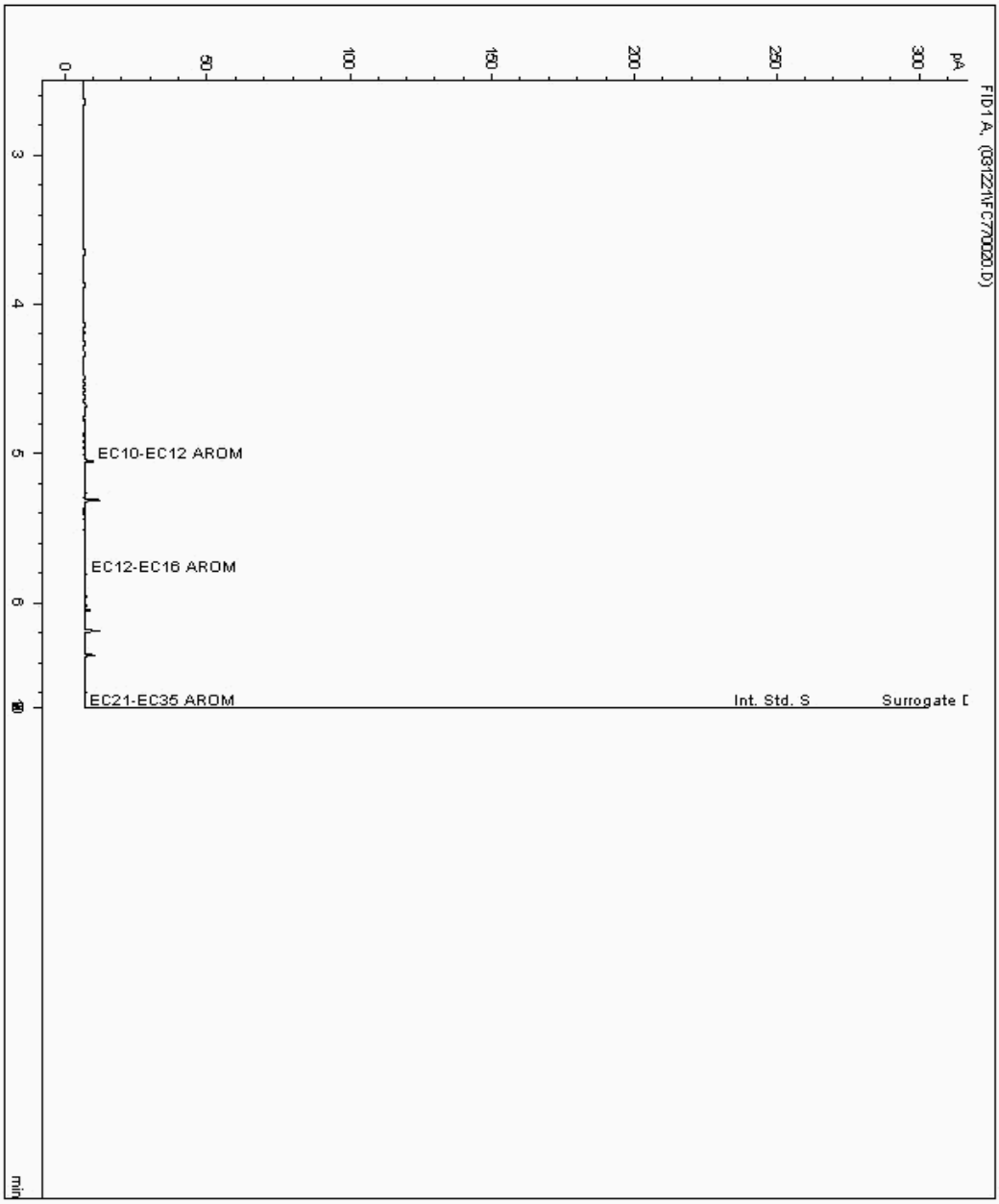
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23864953 **Sample ID :** BH7 **Depth :** 1.00 - 5.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373643-
Date Acquired : 3/13/2021 12:17:12 AM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

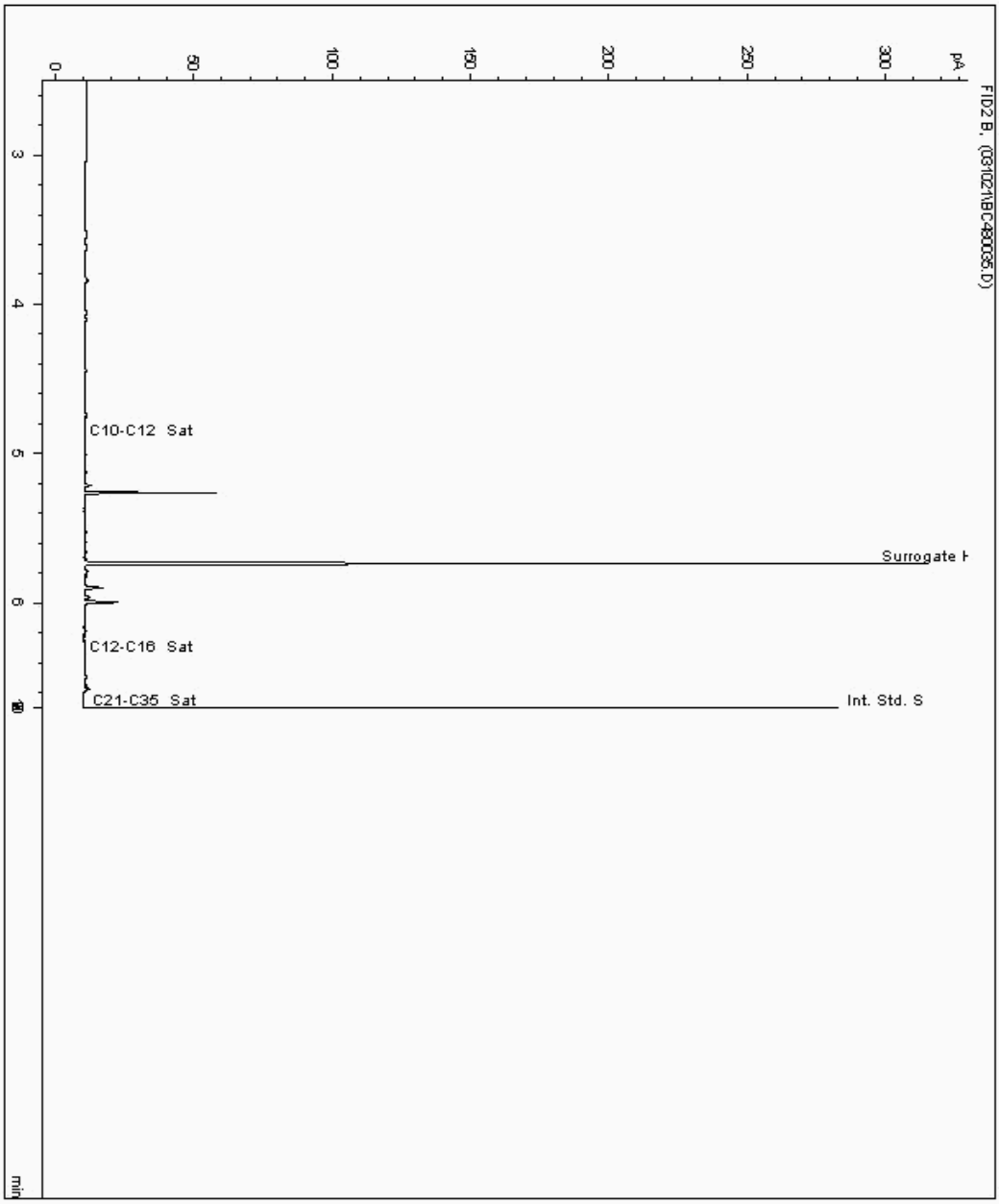
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23864960 **Sample ID :** BH10 **Depth :** 1.00 - 2.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373474-
Date Acquired : 12/03/2021 00:57:45 PM
Units : ppb
Dilution : SE BH10[1.00 - 2.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

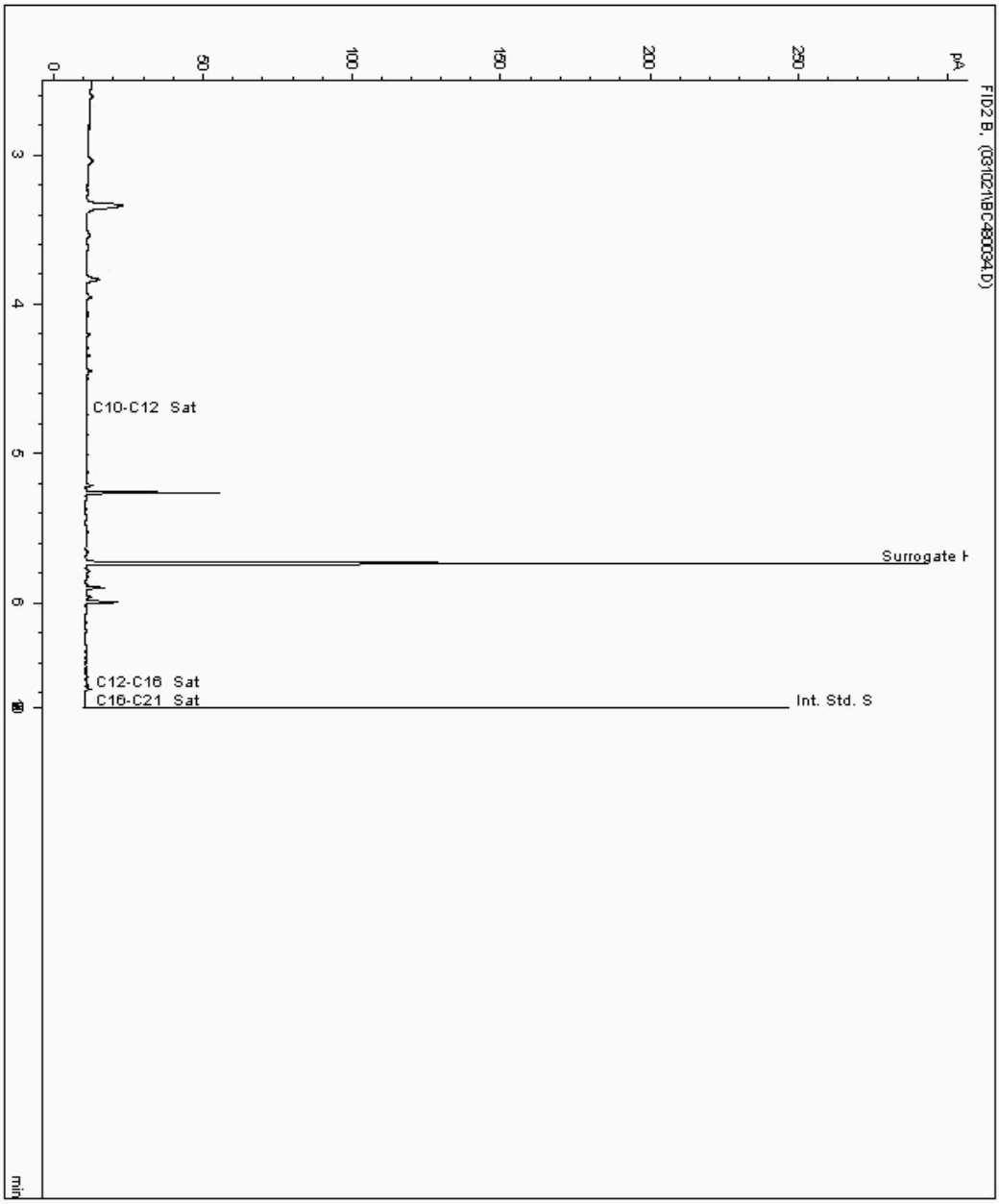
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865204 **Sample ID :** BH1 **Depth :** 1.00 - 4.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373284-
Date Acquired : 12/03/2021 00:34:48 PM
Units : ppb
Dilution : SE BH1[1.00 - 4.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

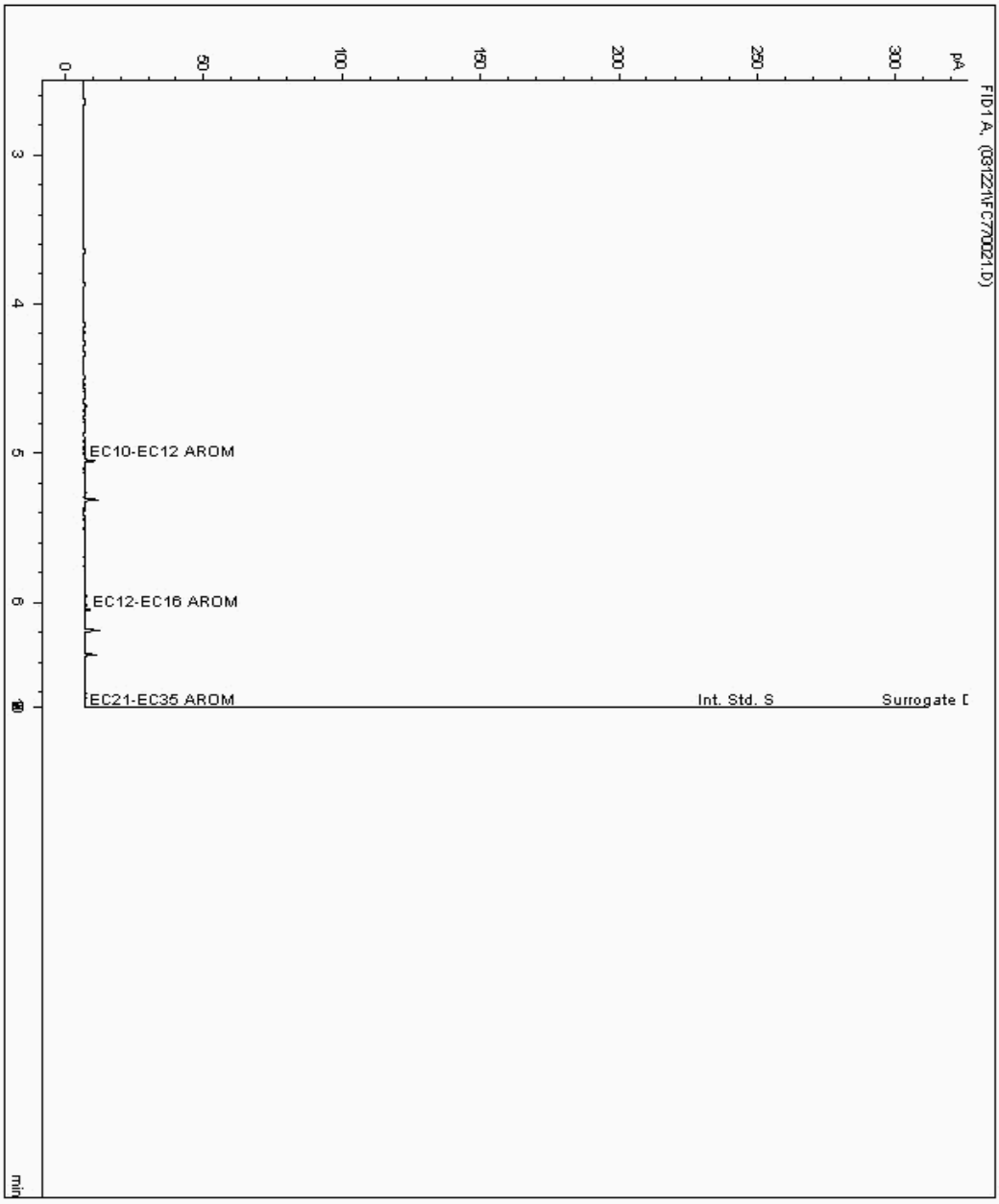
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865213 **Sample ID :** BH5 **Depth :** 2.00 - 5.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373582-
Date Acquired : 3/13/2021 12:41:43 AM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

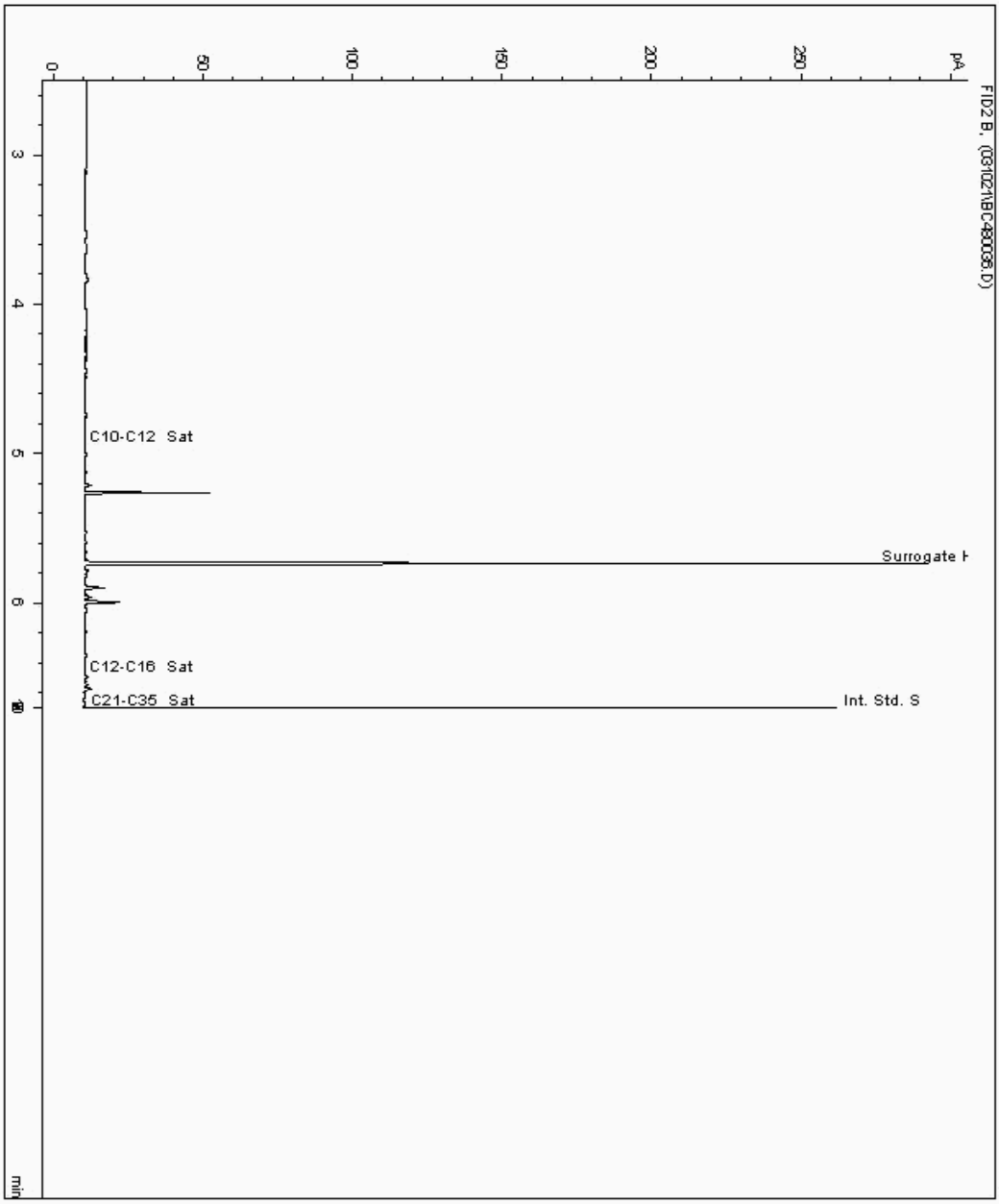
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865215 **Depth :** 8.00
Sample ID : BH5

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373617-
Date Acquired : 12/03/2021 01:20:53 PM
Units : ppb
Dilution : SE BH5[8.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

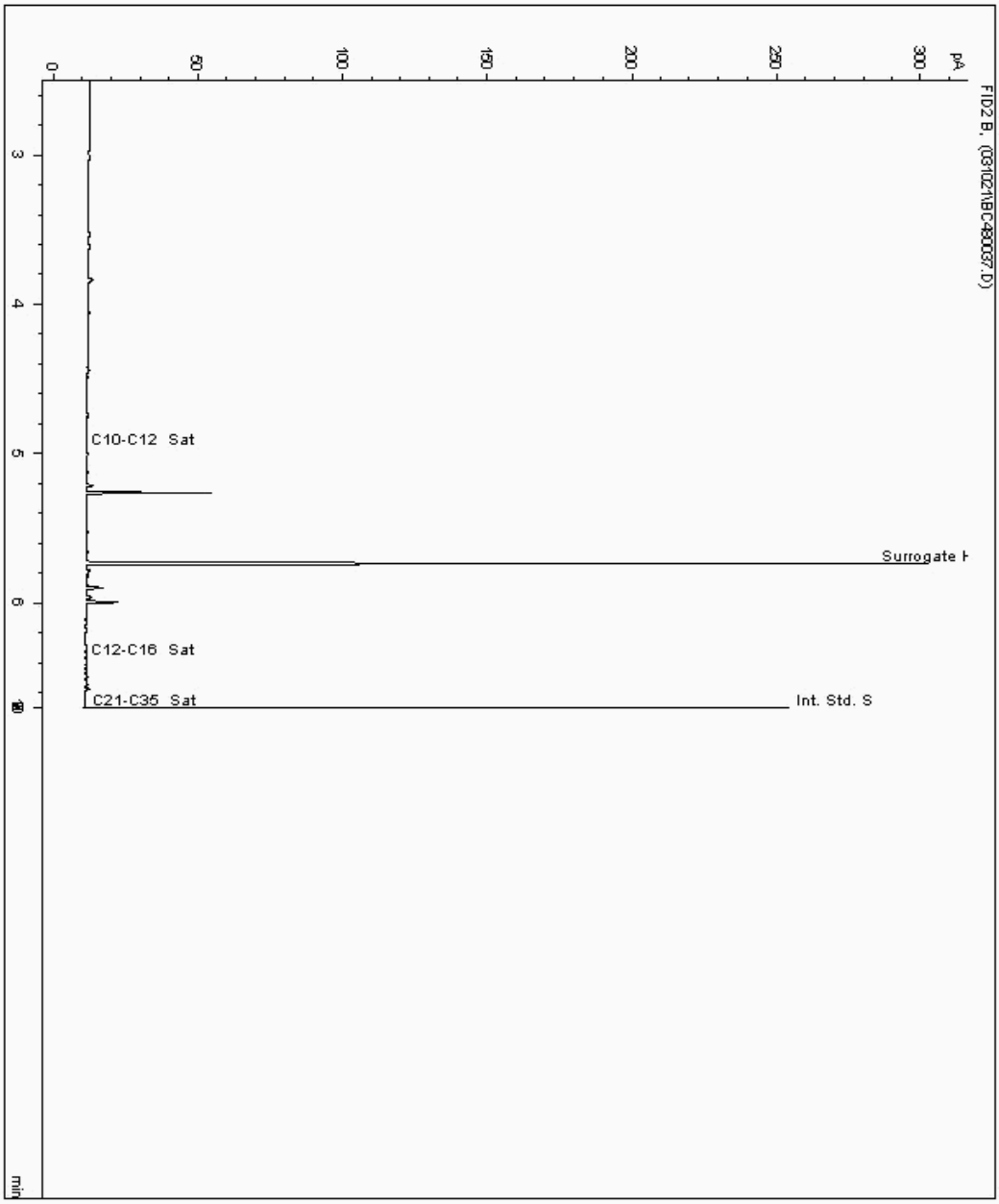
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865238 **Sample ID :** BH3 **Depth :** 1.00 - 5.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373548-
Date Acquired : 12/03/2021 01:43:47 PM
Units : ppb
Dilution : SE BH3[1.00 - 5.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

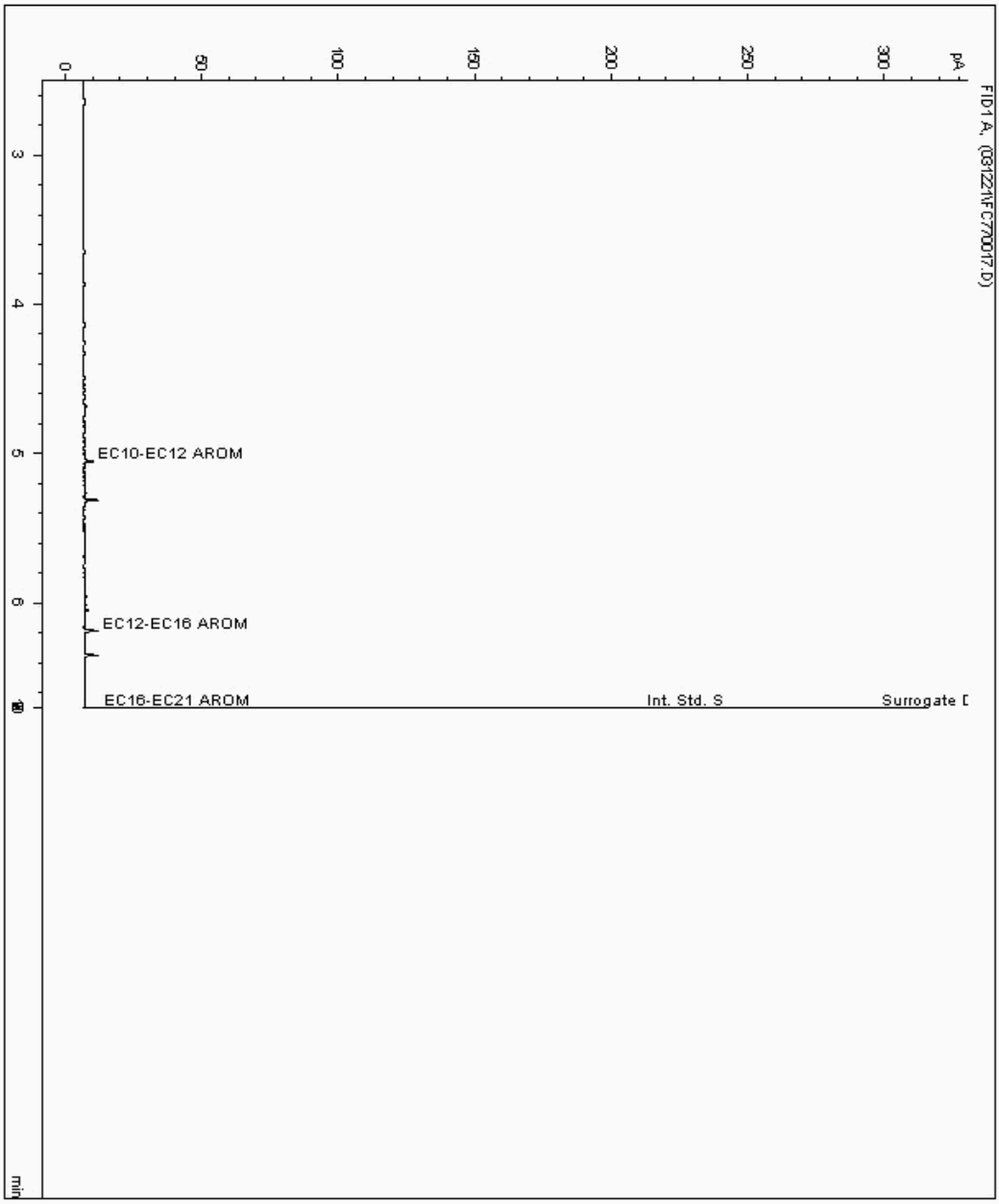
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865282 **Depth :** 8.00
Sample ID : BH1

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373432-
Date Acquired : 3/12/2021 11:03:42 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

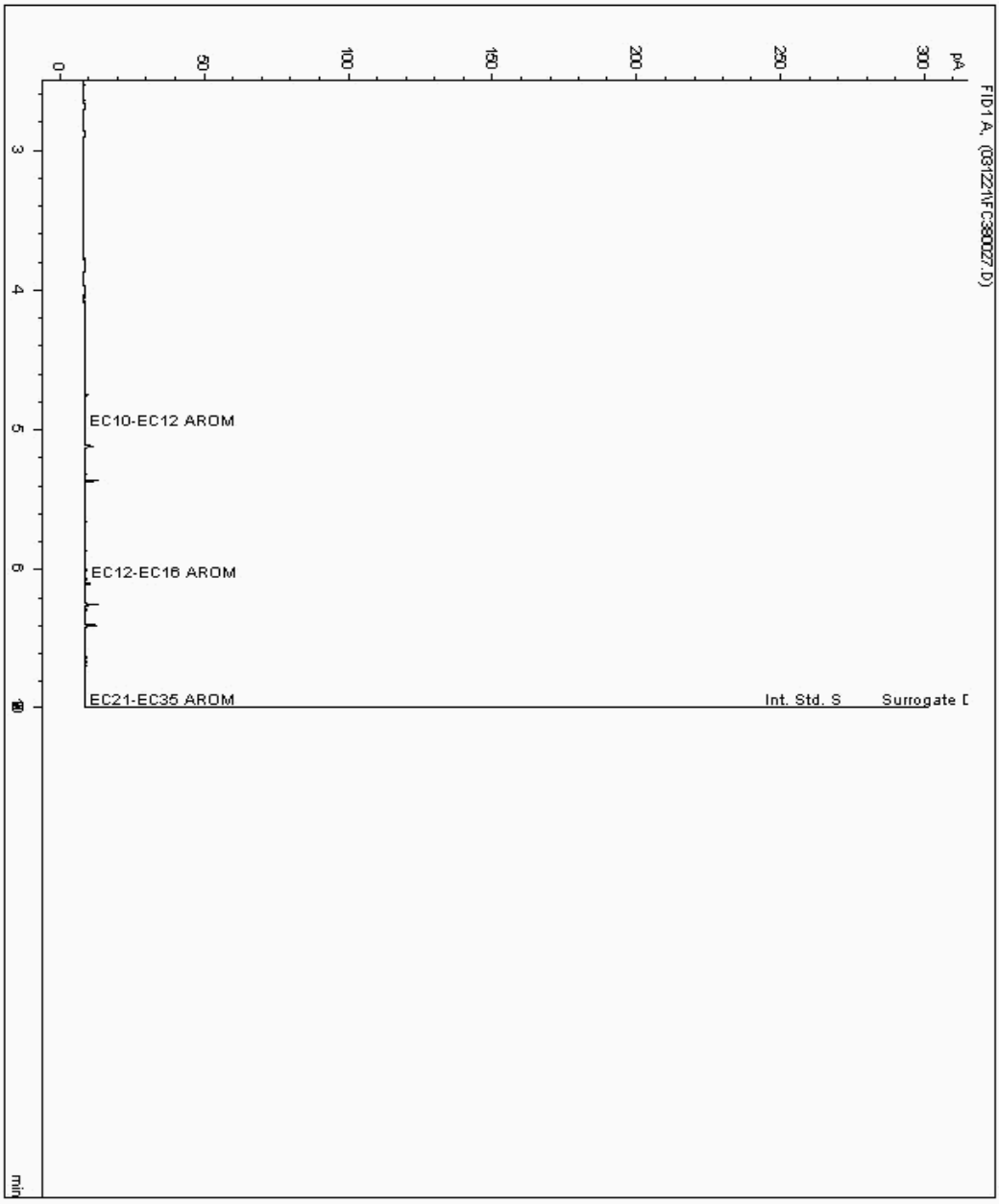
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865299 **Depth :** 1.00 - 5.00
Sample ID : BH9

Speciated TPH - AROM (C12 - C40)

Sample Identity: 22373387-
Date Acquired : 13/03/21 05:27:15 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

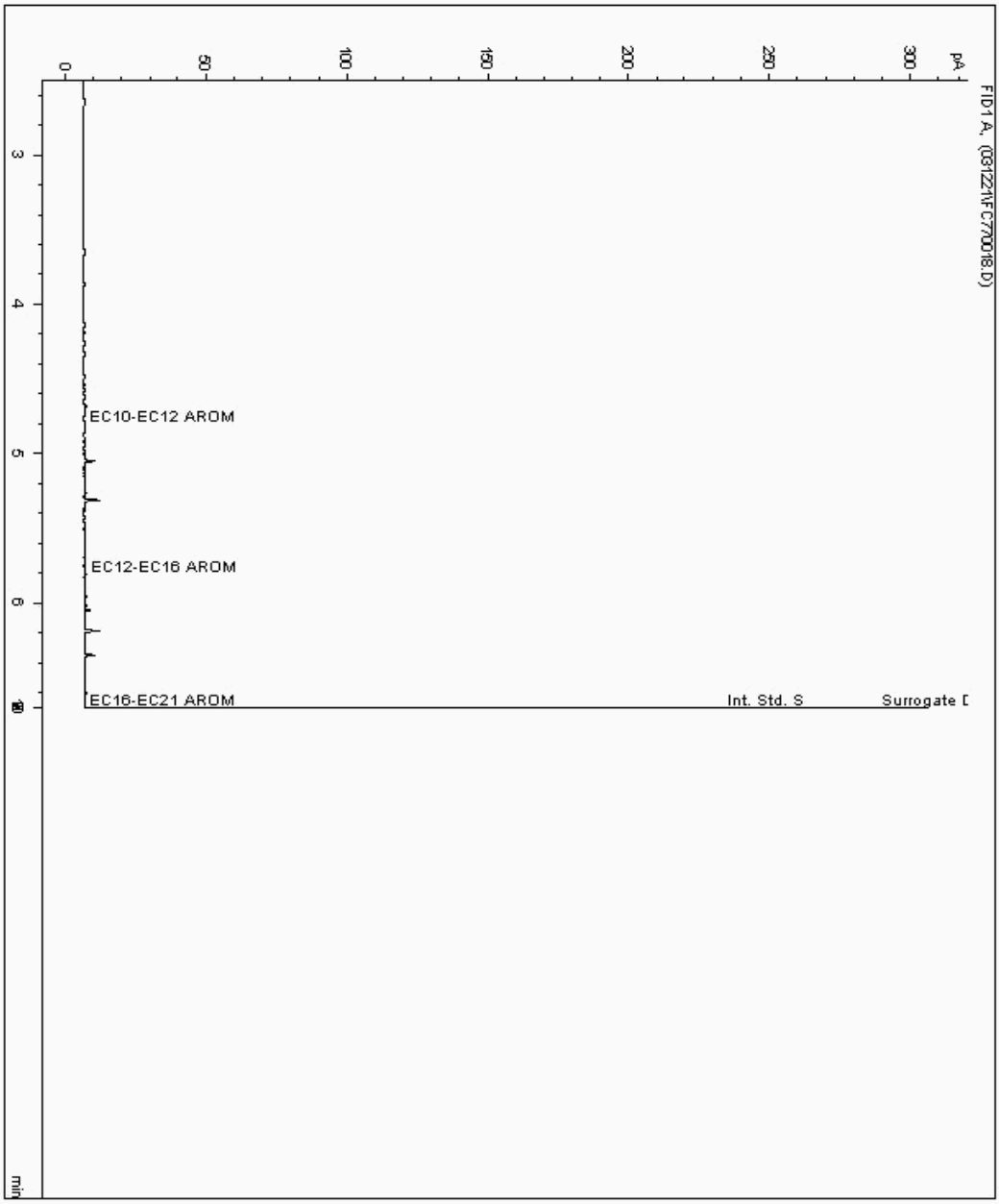
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865320 **Sample ID :** BH10 **Depth :** 8.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373500-
Date Acquired : 3/12/2021 11:28:06 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

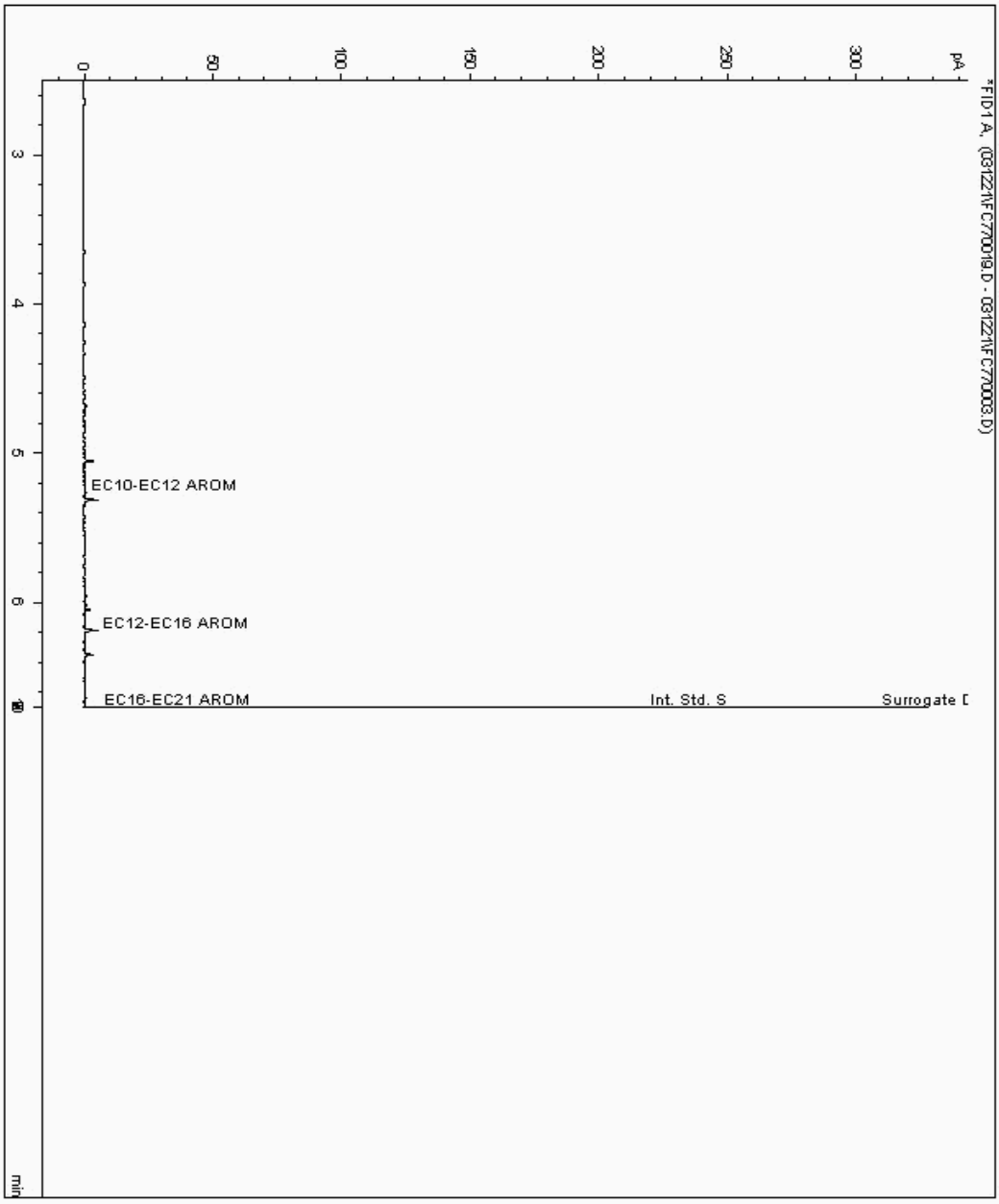
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865329 **Sample ID :** BH8 **Depth :** 1.00 - 5.00

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 22373339-
Date Acquired : 3/12/2021 11:52:34 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

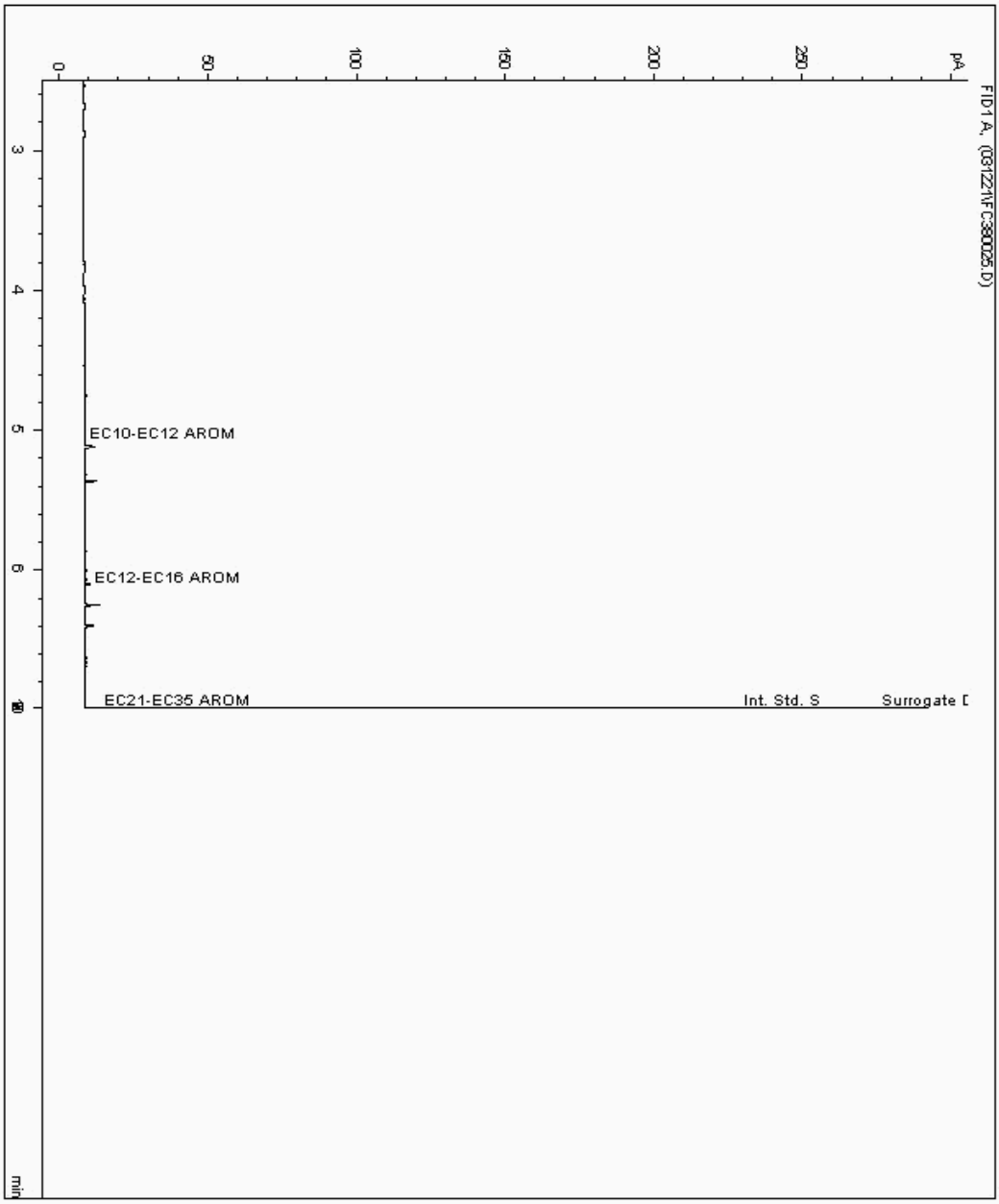
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 23865360 **Depth :** 1.00 - 5.00
Sample ID : BH2

Speciated TPH - AROM (C12 - C40)

Sample Identity: 22373526-
Date Acquired : 13/03/21 04:40:10 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

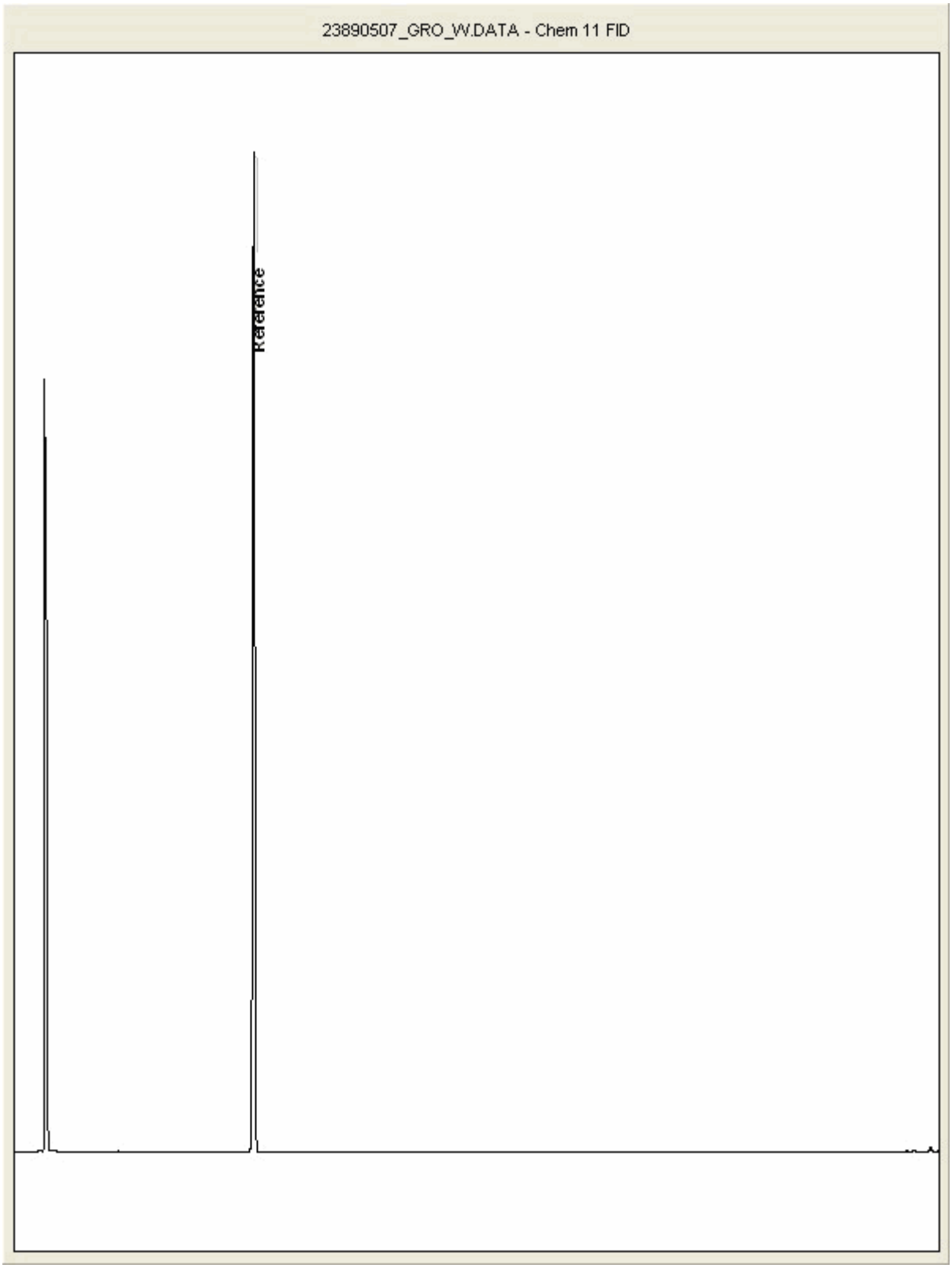
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 23890507
Sample ID : BH5

Depth : 2.00 - 5.00



CERTIFICATE OF ANALYSIS

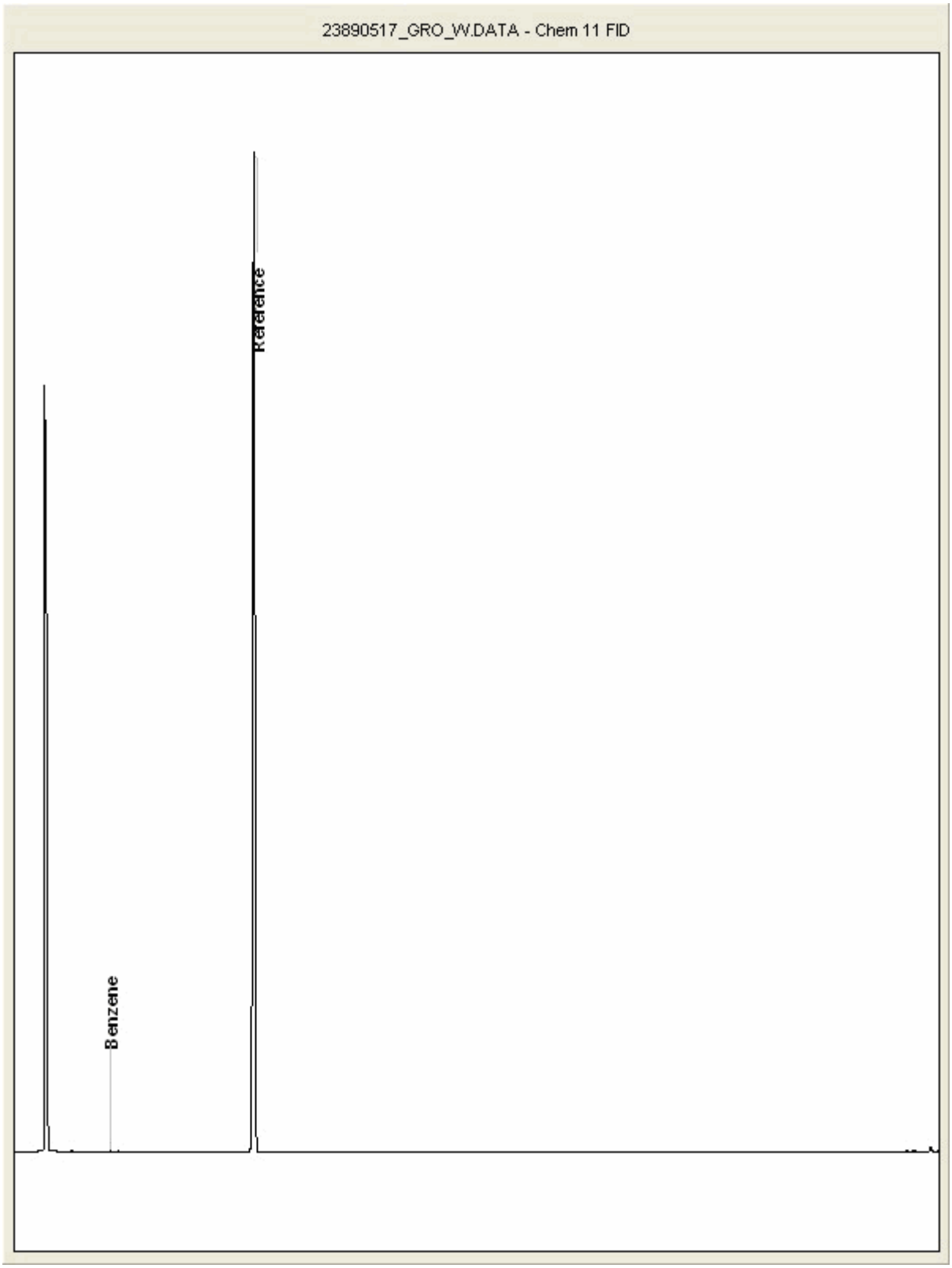
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 23890517
Sample ID : BH3

Depth : 1.00 - 5.00

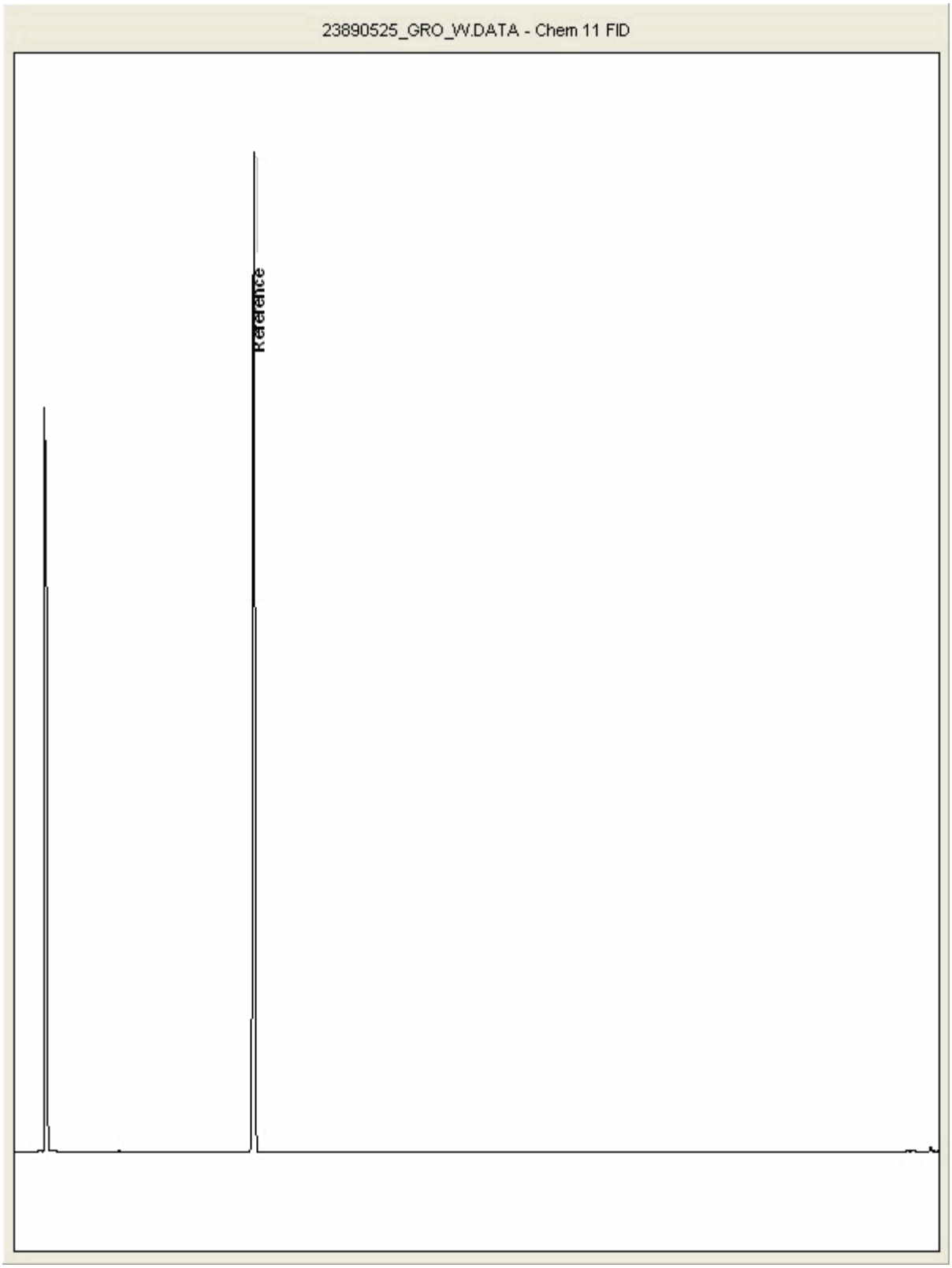


CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 23890525 **Sample ID :** BH8 **Depth :** 1.00 - 5.00



CERTIFICATE OF ANALYSIS

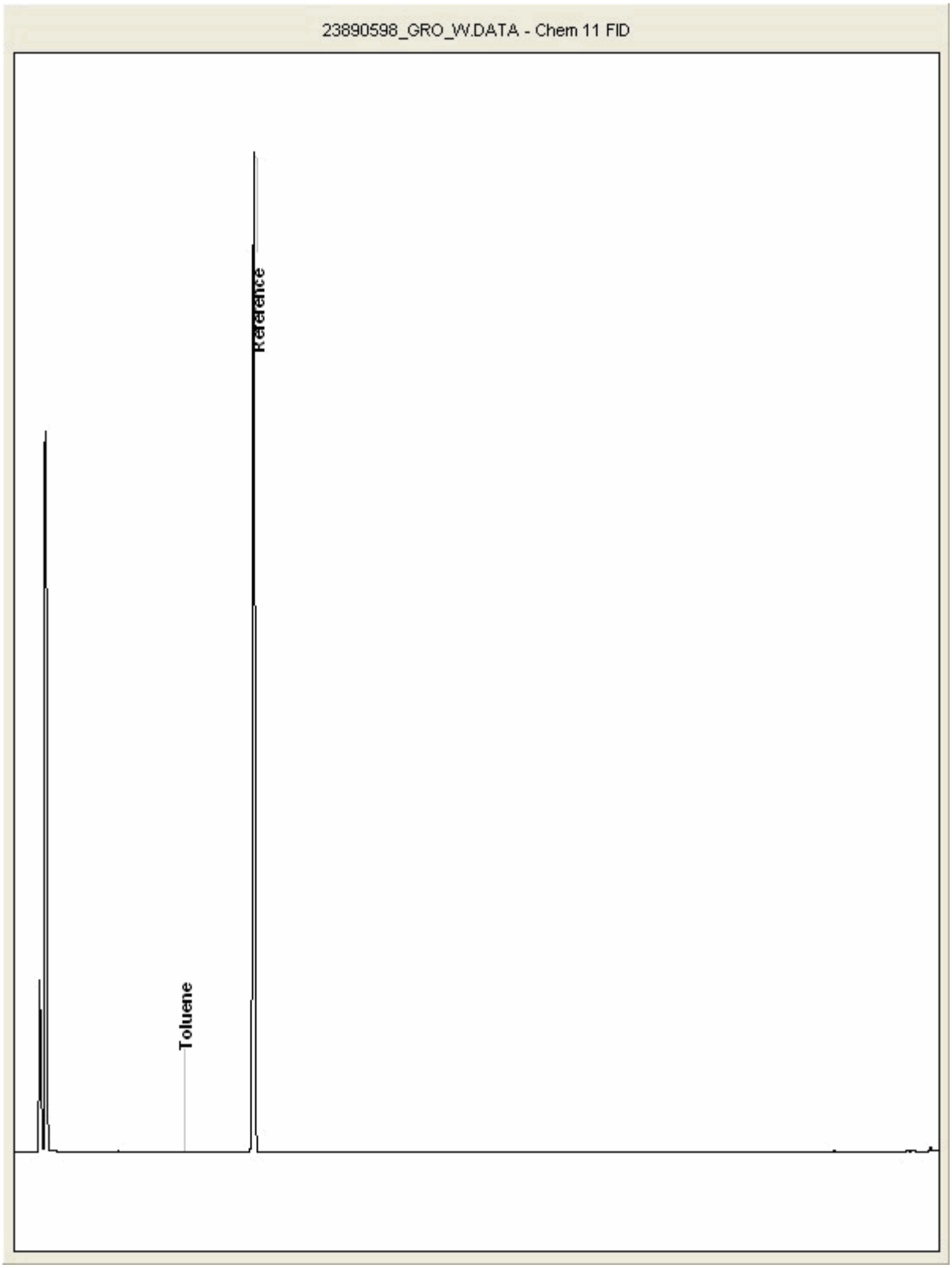
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 23890598
Sample ID : BH1

Depth : 1.00 - 4.00

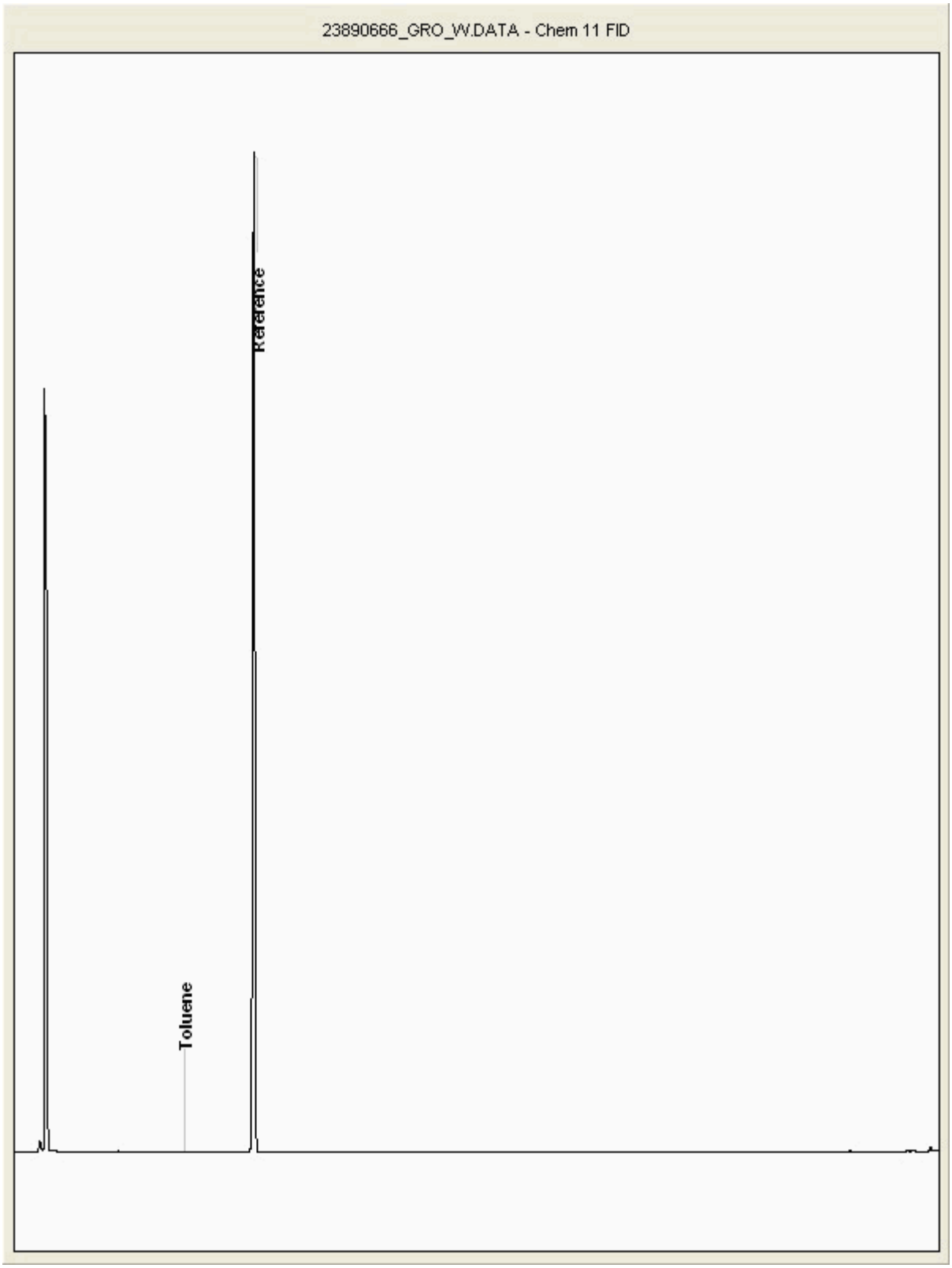


CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 23890666 **Depth :** 8.00
Sample ID : BH1

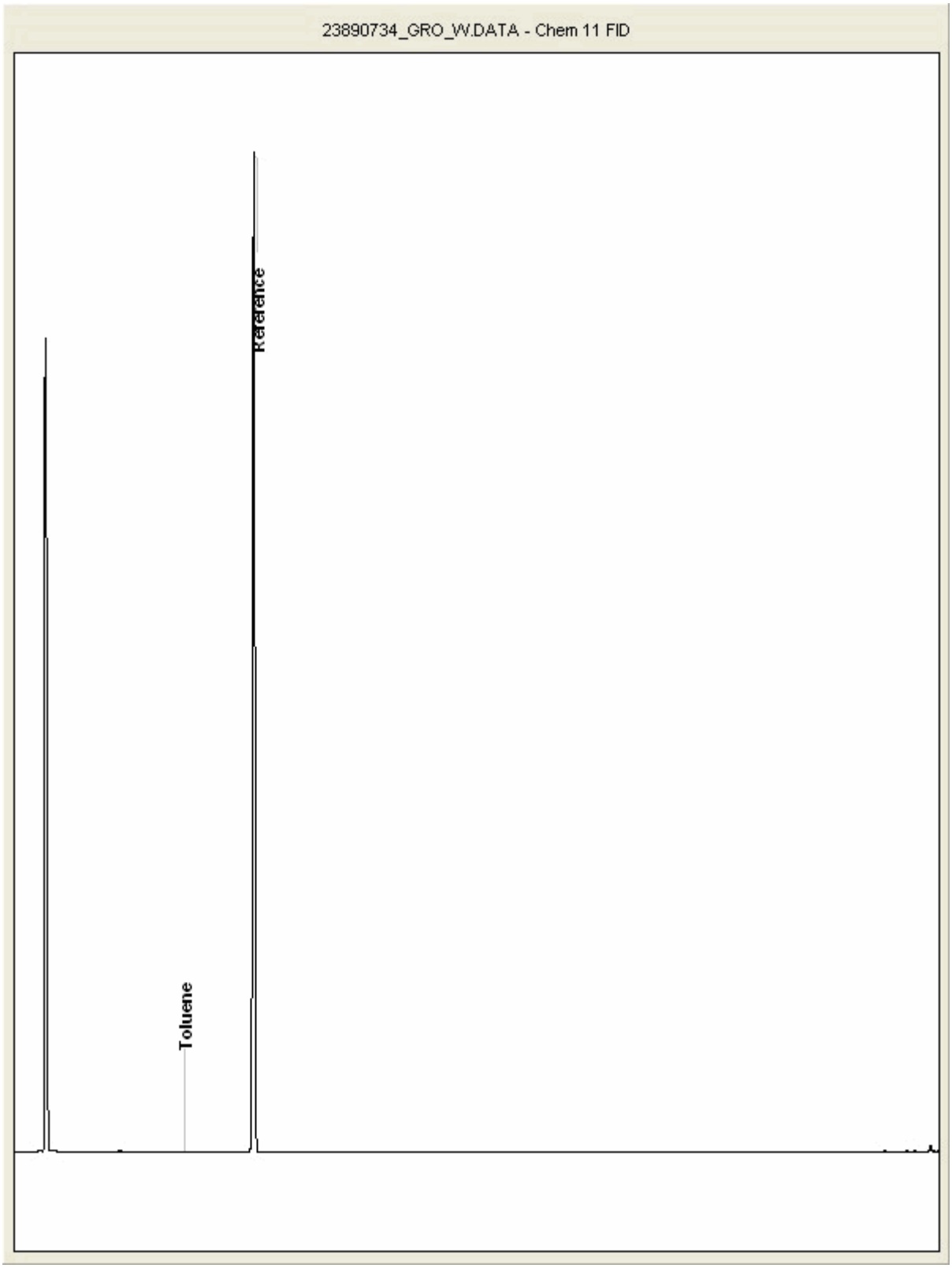


CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 23890734 **Sample ID :** BH9 **Depth :** 1.00 - 5.00

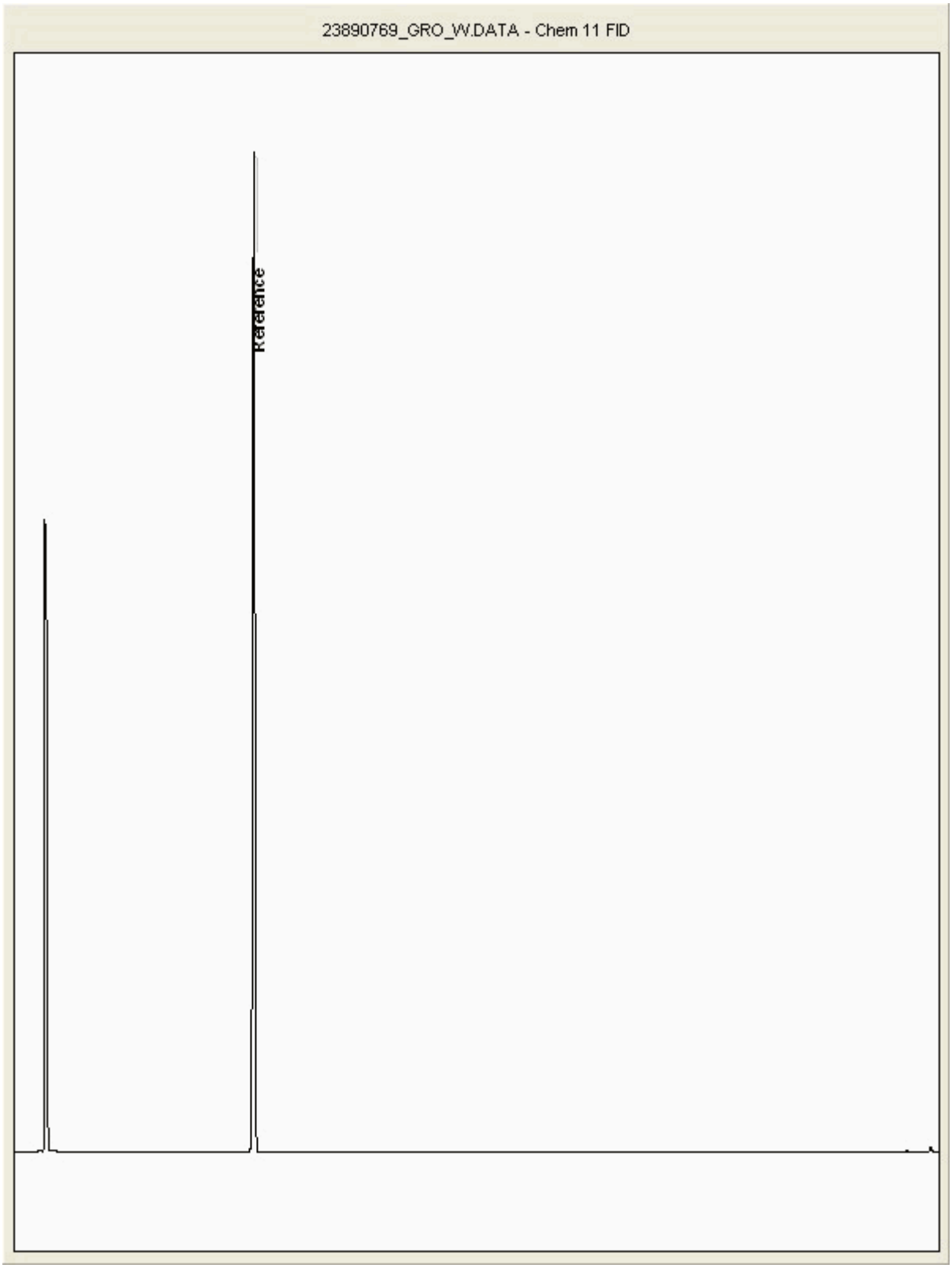


CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 23890769 **Depth :** 1.00 - 2.00
Sample ID : BH10

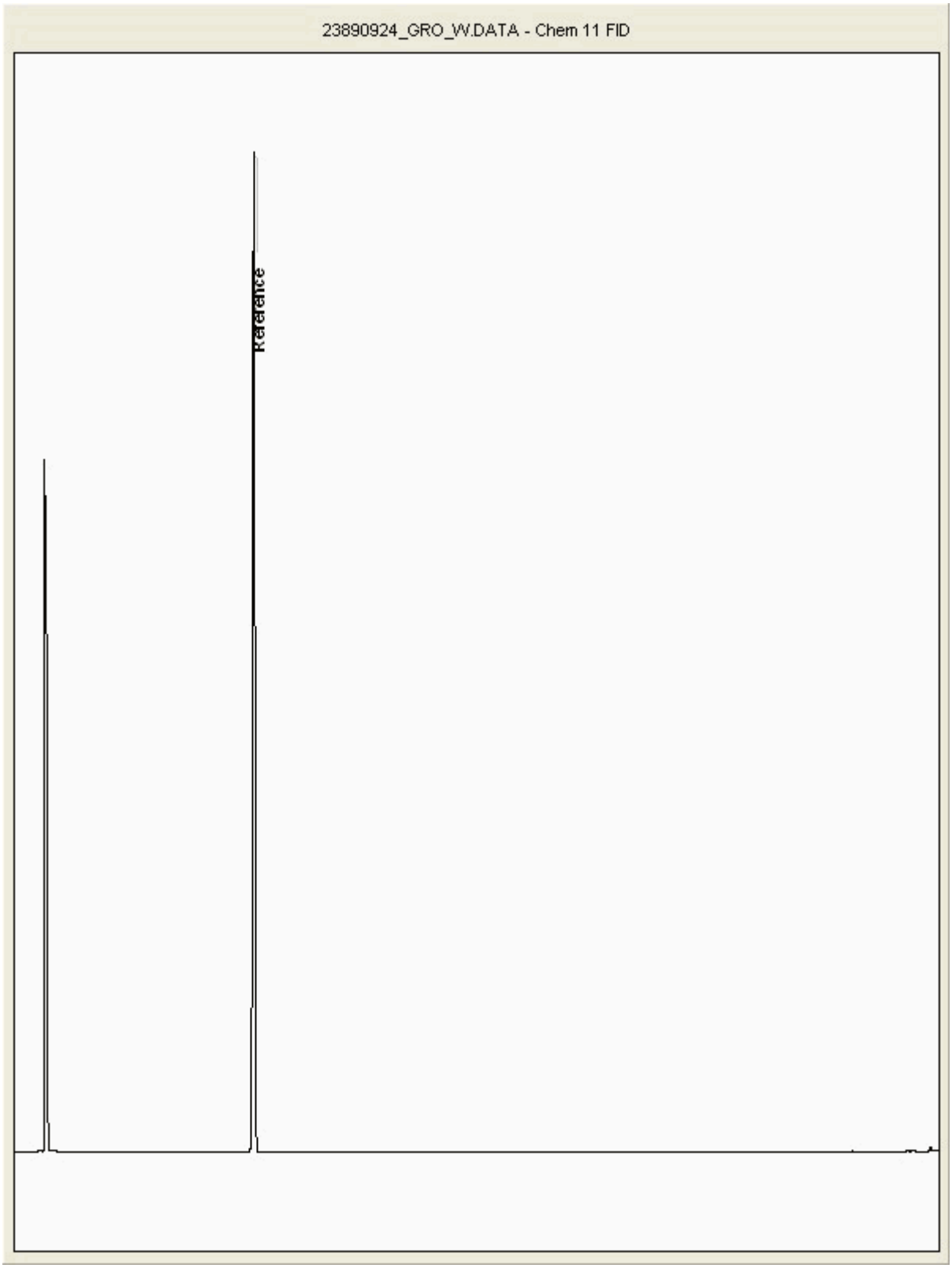


CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 23890924 **Depth :** 1.00 - 5.00
Sample ID : BH2

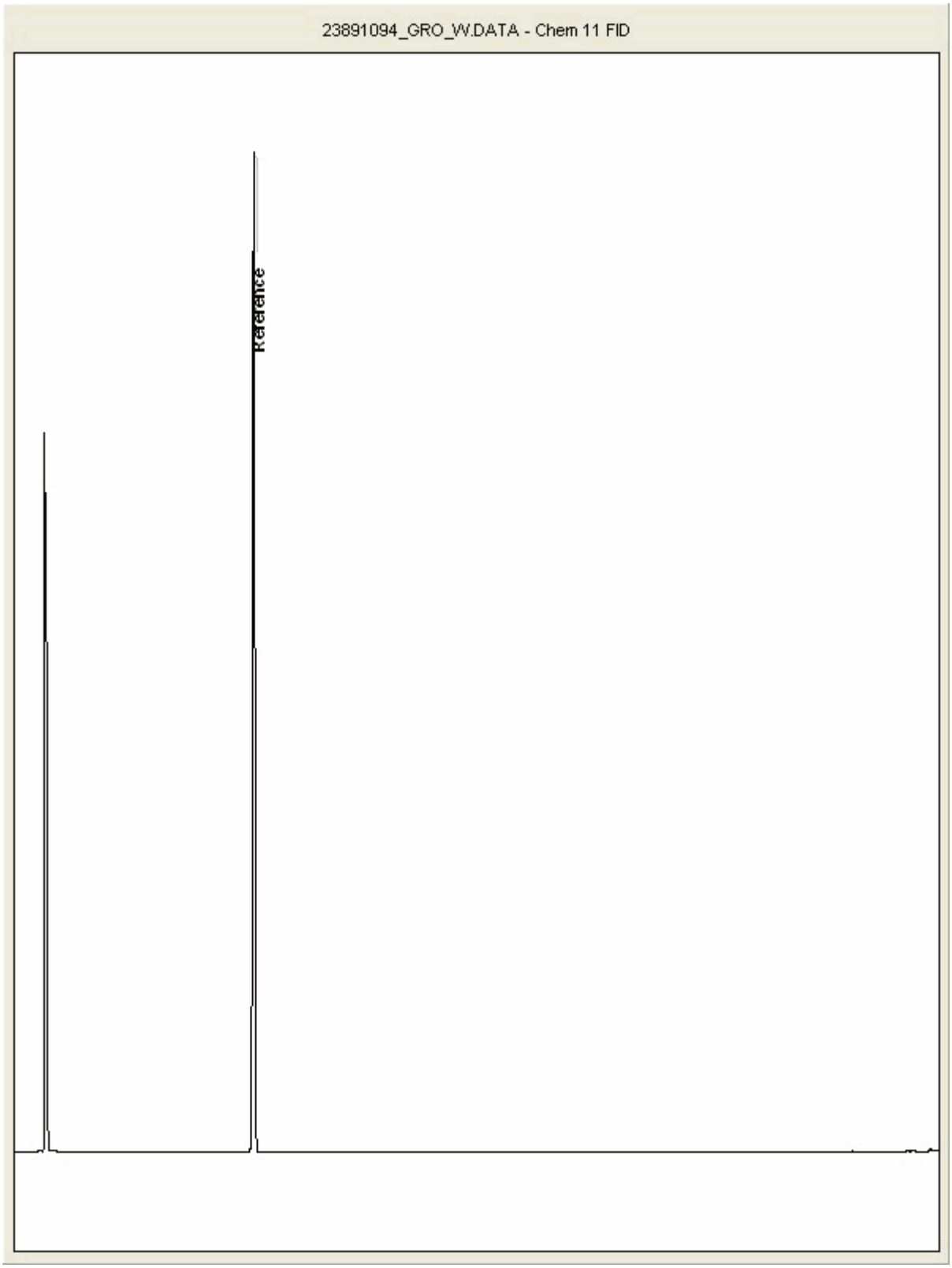


CERTIFICATE OF ANALYSIS

SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 23891094 **Sample ID :** BH7 **Depth :** 1.00 - 5.00



CERTIFICATE OF ANALYSIS

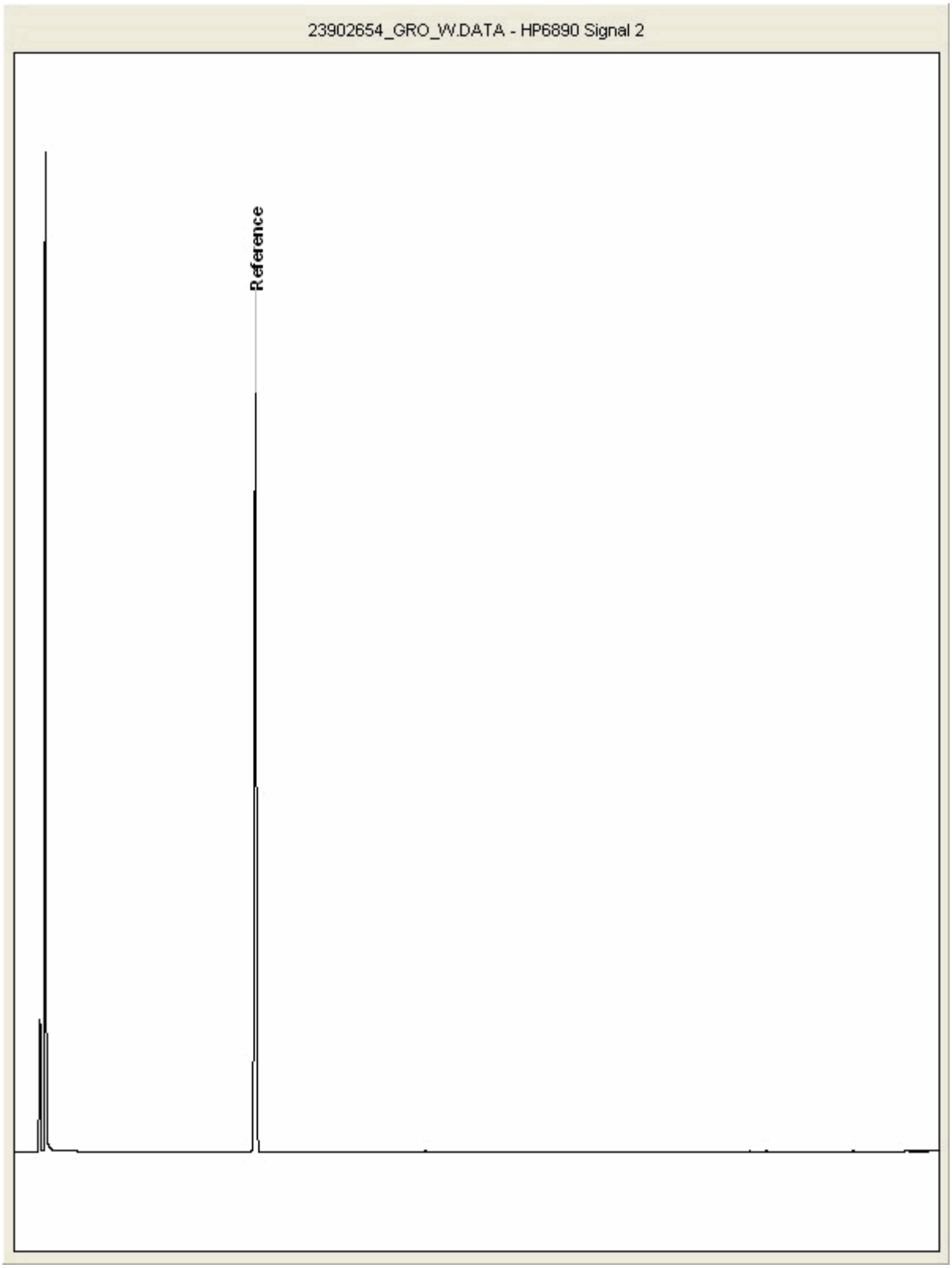
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 23902654
Sample ID : BH5

Depth : 8.00



CERTIFICATE OF ANALYSIS

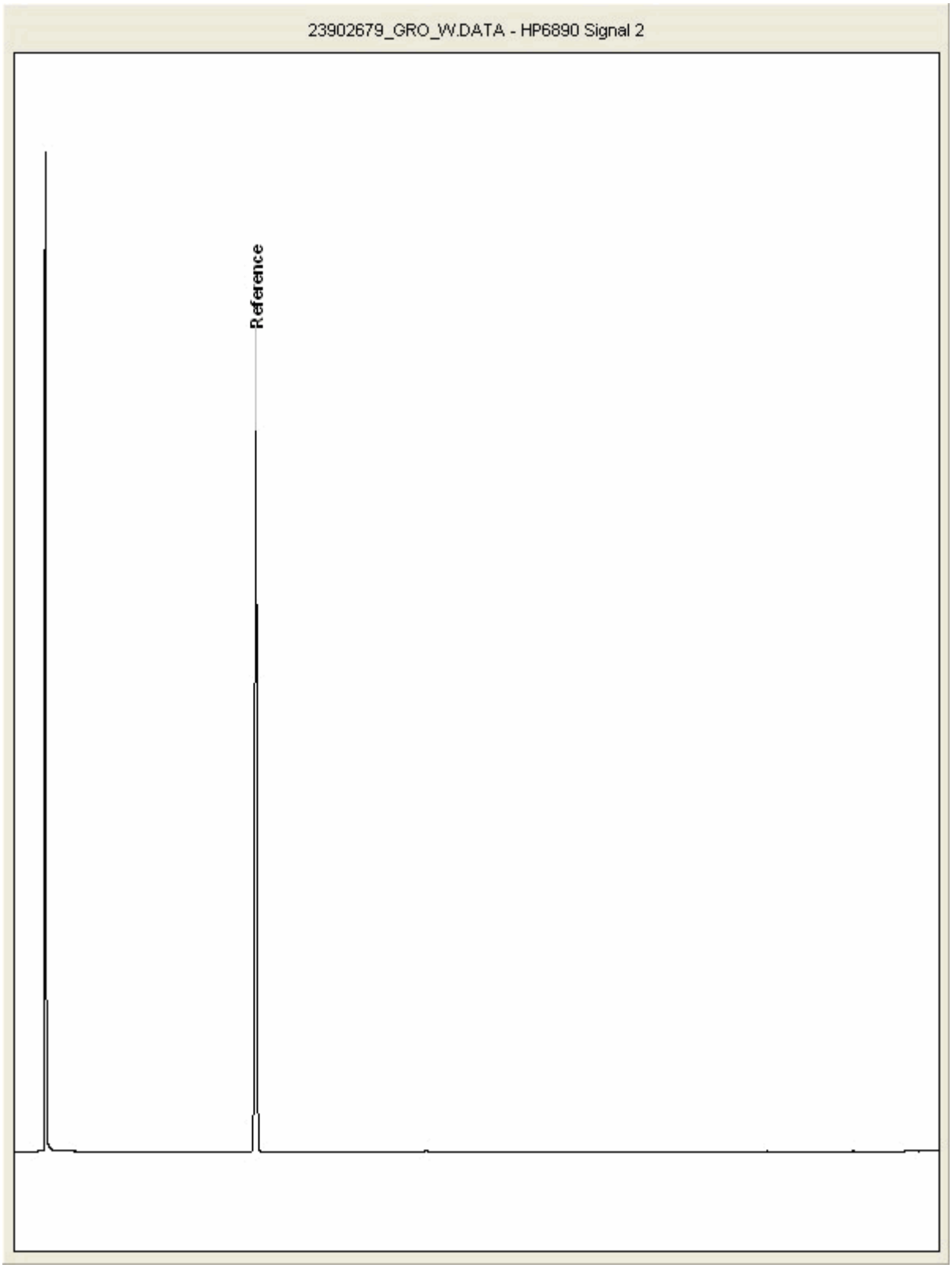
SDG:	210309-3	**Client Reference:**	70067958	**Report Number:**	590932
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 23902679
Sample ID : BH10

Depth : 8.00



Appendix General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as “mixed hydrocarbons”. Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Matrix interference**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**
§	**Sampled on date not provided**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as “Not detected”. If no asbestos fibre types are found all will be reported as “Not detected” and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Appendix B.9

LABORATORY DATA - GAS RESULTS

CONFIDENTIAL

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

WSP PB LBH
WSP PB
4th Floor
6 Devonshire Square
London
EC2M 4YE

Attention: Chris Summers

CERTIFICATE OF ANALYSIS

Date of report Generation:	13 April 2021
Customer:	WSP PB LBH
Sample Delivery Group (SDG):	210408-131
Your Reference:	70067958
Location:	JHP Land, Tipner West
Report No:	593845

We received 4 samples on Thursday April 08, 2021 and 4 of these samples were scheduled for analysis which was completed on Tuesday April 13, 2021. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
24042311	BH3	G	1.00 - 1.85	08/04/2021
24042319	BH8	G	1.00 - 1.80	08/04/2021
24042322	BH9	G	1.00 - 2.44	08/04/2021
24042315	BH5S	G	2.00 - 3.00	08/04/2021

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Results Legend

X **Test**

N **No Determination Possible**

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			2404311	2404319	2404322	2404315
Customer Sample Reference			BH3	BH8	BH9	BH5S
AGS Reference			G	G	G	G
Depth (m)			1.00 - 1.85	1.00 - 1.80	1.00 - 2.44	2.00 - 3.00
Container			Gas Canister	Gas Canister	Gas Canister	Gas Canister
Sample Type			G	G	G	G
TPH in Gas samples	All	NDPs: 0 Tests: 4	X	X	X	X
VOC's	All	NDPs: 0 Tests: 4	X	X	X	X

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042311

Sample ID BH3 G **Depth** 1.00 - 1.85 **Sampled Date** 08/04/2021 00:00:00

Method TM335 Determination of TPH in atmospheric, sub-slab and soil gas samples

Canister No. 0078 **Sample Volume (ml)** 80 **Initial pressure (psia)** 13.78 **Final pressure (psia)** 19.87 **Dilution** 1.4419448476

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
1634-04-4	MTBE	<2.70	<2.70	ppbv	<9.72	<9.73	ug/m³
71-43-2	Benzene	<2.34	<2.34	ppbv	<7.47	<7.48	ug/m³
108-88-3	Toluene	<2.70	<2.70	ppbv	<10.2	<10.2	ug/m³
100-41-4	Ethyl Benzene	<2.70	<2.70	ppbv	<11.7	<11.7	ug/m³
108-38-3 & 106-42-3	m/p-Xylene	<2.70	<2.70	ppbv	<11.7	<11.7	ug/m³
95-47-6	o-Xylene	<2.70	<2.70	ppbv	<11.7	<11.7	ug/m³
91-20-3	Naphthalene	<4.15	<4.15	ppbv	<21.7	<21.7	ug/m³
-	TPH (C4-C6)	<18.0	273	ppbv	<52.5	798	ug/m³
-	TPH (C6-C8)	<18.0	92.4	ppbv	<66.4	341	ug/m³
-	TPH (C8-C10)	<24.7	<24.7	ppbv	<117	<117	ug/m³
-	TPH (C10-C12)	<38.2	<38.2	ppbv	<221	<221	ug/m³
-	TPH (C4-C12)	<98.9	366	ppbv	<457	1140	ug/m³
-	Aliphatic (C4-C6)	<18.0	273	ppbv	<52.5	798	ug/m³
-	Aliphatic (C6-C8)	<13.0	92.4	ppbv	<48.7	341	ug/m³
-	Aliphatic (C8-C10)	<6.70	<6.70	ppbv	<34.4	<34.4	ug/m³
-	Aliphatic (C10-C12)	<20.2	<20.2	ppbv	<80.0	<80.0	ug/m³
-	Aromatic (EC5-EC7)	<2.34	<2.34	ppbv	<7.47	<7.48	ug/m³
-	Aromatic (EC7-EC8)	<2.70	<2.70	ppbv	<10.2	<10.2	ug/m³
-	Aromatic (EC8-EC10)	<18.0	<18.0	ppbv	<82.6	<82.7	ug/m³
-	Aromatic (EC10-EC12)	<18.0	<18.0	ppbv	<141	<141	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042315

Sample ID BH5S G **Depth** 2.00 - 3.00 **Sampled Date** 08/04/2021 00:00:00

Method TM335 Determination of TPH in atmospheric, sub-slab and soil gas samples

Canister No. 0076 **Sample Volume (ml)** 65 **Initial pressure (psia)** 14.39 **Final pressure (psia)** 19.82 **Dilution** 1.3773453787

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
1634-04-4	MTBE	<3.18	<3.18	ppbv	<11.4	<11.4	ug/m³
71-43-2	Benzene	<2.75	<2.75	ppbv	<8.77	<8.79	ug/m³
108-88-3	Toluene	<3.18	<3.18	ppbv	<12.0	<12.0	ug/m³
100-41-4	Ethyl Benzene	<3.18	<3.18	ppbv	<13.8	<13.8	ug/m³
108-38-3 & 106-42-3	m/p-Xylene	<3.18	<3.18	ppbv	<13.8	<13.8	ug/m³
95-47-6	o-Xylene	<3.18	<3.18	ppbv	<13.8	<13.8	ug/m³
91-20-3	Naphthalene	<4.87	<4.87	ppbv	<25.5	<25.5	ug/m³
-	TPH (C4-C6)	<21.2	303	ppbv	<61.9	884	ug/m³
-	TPH (C6-C8)	<21.2	102	ppbv	<78.2	376	ug/m³
-	TPH (C8-C10)	<29.0	<29.0	ppbv	<137	<137	ug/m³
-	TPH (C10-C12)	<44.9	<44.9	ppbv	<260	<260	ug/m³
-	TPH (C4-C12)	<116	405	ppbv	<537	1260	ug/m³
-	Aliphatic (C4-C6)	<21.2	303	ppbv	<61.9	884	ug/m³
-	Aliphatic (C6-C8)	<15.3	102	ppbv	<57.4	376	ug/m³
-	Aliphatic (C8-C10)	<7.80	<7.80	ppbv	<39.8	<39.8	ug/m³
-	Aliphatic (C10-C12)	<23.7	<23.7	ppbv	<94.0	<94.0	ug/m³
-	Aromatic (EC5-EC7)	<2.75	<2.75	ppbv	<8.77	<8.79	ug/m³
-	Aromatic (EC7-EC8)	<3.18	<3.18	ppbv	<12.0	<12.0	ug/m³
-	Aromatic (EC8-EC10)	<21.2	<21.2	ppbv	<97.2	<97.2	ug/m³
-	Aromatic (EC10-EC12)	<21.2	<21.2	ppbv	<166	<166	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042319

Sample ID BH8 G **Depth** 1.00 - 1.80 **Sampled Date** 08/04/2021 00:00:00

Method TM335 Determination of TPH in atmospheric, sub-slab and soil gas samples

Canister No. 0075 **Sample Volume (ml)** 65 **Initial pressure (psia)** 15.33 **Final pressure (psia)** 19.80 **Dilution** 1.2915851272

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
1634-04-4	MTBE	<2.98	<2.98	ppbv	<10.7	<10.7	ug/m³
71-43-2	Benzene	<2.58	<2.58	ppbv	<8.23	<8.24	ug/m³
108-88-3	Toluene	<2.98	<2.98	ppbv	<11.2	<11.2	ug/m³
100-41-4	Ethyl Benzene	<2.98	<2.98	ppbv	<12.9	<12.9	ug/m³
108-38-3 & 106-42-3	m/p-Xylene	<2.98	<2.98	ppbv	<12.9	<12.9	ug/m³
95-47-6	o-Xylene	<2.98	<2.98	ppbv	<12.9	<12.9	ug/m³
91-20-3	Naphthalene	<4.57	<4.57	ppbv	<23.9	<23.9	ug/m³
-	TPH (C4-C6)	<19.9	296	ppbv	<58.1	865	ug/m³
-	TPH (C6-C8)	<19.9	110	ppbv	<73.4	407	ug/m³
-	TPH (C8-C10)	<27.2	<27.2	ppbv	<129	<129	ug/m³
-	TPH (C10-C12)	<42.1	<42.1	ppbv	<244	<244	ug/m³
-	TPH (C4-C12)	<109	407	ppbv	<505	1270	ug/m³
-	Aliphatic (C4-C6)	<19.9	296	ppbv	<58.1	865	ug/m³
-	Aliphatic (C6-C8)	<14.3	110	ppbv	<54.0	407	ug/m³
-	Aliphatic (C8-C10)	<7.30	<7.30	ppbv	<37.7	<37.7	ug/m³
-	Aliphatic (C10-C12)	<22.2	<22.2	ppbv	<88.0	<88.0	ug/m³
-	Aromatic (EC5-EC7)	<2.58	<2.58	ppbv	<8.23	<8.24	ug/m³
-	Aromatic (EC7-EC8)	<2.98	<2.98	ppbv	<11.2	<11.2	ug/m³
-	Aromatic (EC8-EC10)	<19.9	<19.9	ppbv	<91.3	<91.1	ug/m³
-	Aromatic (EC10-EC12)	<19.9	<19.9	ppbv	<156	<156	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042322

Sample ID BH9 G **Depth** 1.00 - 2.44 **Sampled Date** 08/04/2021 00:00:00

Method TM335 Determination of TPH in atmospheric, sub-slab and soil gas samples

Canister No. 0077 **Sample Volume (ml)** 80 **Initial pressure (psia)** 14.70 **Final pressure (psia)** 19.65 **Dilution** 1.3367346939

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
1634-04-4	MTBE	<2.51	<2.51	ppbv	<9.03	<9.02	ug/m³
71-43-2	Benzene	<2.17	<2.17	ppbv	<6.92	<6.93	ug/m³
108-88-3	Toluene	<2.51	<2.51	ppbv	<9.44	<9.43	ug/m³
100-41-4	Ethyl Benzene	<2.51	<2.51	ppbv	<10.9	<10.9	ug/m³
108-38-3 & 106-42-3	m/p-Xylene	<2.51	<2.51	ppbv	<10.9	<10.9	ug/m³
95-47-6	o-Xylene	<2.51	<2.51	ppbv	<10.9	<10.9	ug/m³
91-20-3	Naphthalene	<3.84	<3.84	ppbv	<20.1	<20.1	ug/m³
-	TPH (C4-C6)	<16.7	310	ppbv	<48.7	904	ug/m³
-	TPH (C6-C8)	<16.7	107	ppbv	<61.6	394	ug/m³
-	TPH (C8-C10)	<22.9	<22.9	ppbv	<108	<108	ug/m³
-	TPH (C10-C12)	<35.4	<35.4	ppbv	<205	<205	ug/m³
-	TPH (C4-C12)	<91.7	417	ppbv	<423	1300	ug/m³
-	Aliphatic (C4-C6)	<16.7	310	ppbv	<48.7	904	ug/m³
-	Aliphatic (C6-C8)	<12.0	107	ppbv	<45.2	394	ug/m³
-	Aliphatic (C8-C10)	<6.20	<6.20	ppbv	<31.4	<31.4	ug/m³
-	Aliphatic (C10-C12)	<18.7	<18.7	ppbv	<74.0	<74.0	ug/m³
-	Aromatic (EC5-EC7)	<2.17	<2.17	ppbv	<6.92	<6.93	ug/m³
-	Aromatic (EC7-EC8)	<2.51	<2.51	ppbv	<9.44	<9.43	ug/m³
-	Aromatic (EC8-EC10)	<16.7	<16.7	ppbv	<76.6	<76.6	ug/m³
-	Aromatic (EC10-EC12)	<16.7	<16.7	ppbv	<131	<131	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042311
Sample ID BH3 G **Depth** 1.00 - 1.85 **Sampled Date** 08/04/2021 00:00:00

Method TM330 Determination of VOC's in atmospheric, sub-slab and soil gas samples **Canister No.** 0078

Sample Volume (ml) 80 **Dispatch pressure (psia)** -0.13 **Initial pressure (psia)** 13.78 **Final pressure (psia)** 19.87 **Dilution** 1.4419448476

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
71-55-6	1,1,1-Trichloroethane	<2.70	<2.70	ppbv	<14.7	<14.7	ug/m³
79-34-5	1,1,2,2-Tetrachloroethane	<2.70	<2.70	ppbv	<18.6	<18.6	ug/m³
79-00-5	1,1,2-Trichloroethane	<2.70	<2.70	ppbv	<14.7	<14.7	ug/m³
75-34-3	1,1-Dichloroethane	<2.70	<2.70	ppbv	<10.9	<10.9	ug/m³
75-35-4	1,1-Dichloroethene	<2.70	<2.70	ppbv	<10.7	<10.7	ug/m³
526-73-8	1,2,3-Trimethylbenzene	<2.70	<2.70	ppbv	<13.3	<13.3	ug/m³
120-82-1	1,2,4-Trichlorobenzene	<2.70	<2.70	ppbv	<20.0	<20.0	ug/m³
95-63-6	1,2,4-Trimethylbenzene	<2.70	<2.70	ppbv	<13.3	<13.3	ug/m³
106-93-4	1,2-Dibromoethane	<2.70	<2.70	ppbv	<20.8	<20.8	ug/m³
95-50-1	1,2-Dichlorobenzene	<2.70	<2.70	ppbv	<16.2	<16.3	ug/m³
107-06-2	1,2-Dichloroethane	<2.70	<2.70	ppbv	<10.9	<10.9	ug/m³
78-87-5	1,2-Dichloropropane	<2.70	<2.70	ppbv	<12.5	<12.5	ug/m³
76-14-2	1,2-Dichlorotetrafluoroethane	<2.70	<2.70	ppbv	<18.9	<18.9	ug/m³
108-67-8	1,3,5-Trimethylbenzene	<2.70	<2.70	ppbv	<13.3	<13.3	ug/m³
106-99-0	1,3-Butadiene	<2.70	<2.70	ppbv	<5.96	<5.97	ug/m³
106-46-7	1,4-Dichlorobenzene	<2.70	<2.70	ppbv	<16.2	<16.3	ug/m³
123-91-1	1,4-Dioxane	<2.70	<2.70	ppbv	<9.72	<9.73	ug/m³
71-23-8	1-Propanol	<2.70	<2.70	ppbv	<6.63	<6.63	ug/m³
78-93-3	2-Butanone (MEK)	<2.70	<2.70	ppbv	<7.95	<7.96	ug/m³
591-78-6	2-Hexanone	<2.70	<2.70	ppbv	<11.0	<11.1	ug/m³
107-87-9	2-Pentanone	<2.70	<2.70	ppbv	<9.50	<9.51	ug/m³
589-38-8	3-Hexanone	<2.70	<2.70	ppbv	<11.0	<11.1	ug/m³
96-22-0	3-Pentanone	<2.70	<2.70	ppbv	<9.50	<9.51	ug/m³
108-10-1	4-Methyl-2-pentanone	<2.70	<2.70	ppbv	<11.0	<11.1	ug/m³
67-64-1 & 123-38-6	Acetone + Propanal	<5.41	32.5	ppbv	<12.8	77.0	ug/m³
75-05-8	Acetonitrile	<2.70	<2.70	ppbv	<4.53	<4.53	ug/m³
107-02-8	Acrolein	<2.70	<2.70	ppbv	<6.18	<6.19	ug/m³
71-43-2	Benzene	<2.34	<2.34	ppbv	<7.47	<7.48	ug/m³
100-44-7	Benzyl Chloride	<2.70	<2.70	ppbv	<14.0	<14.0	ug/m³
75-27-4	Bromodichloromethane	<2.70	<2.70	ppbv	<18.1	<18.1	ug/m³
75-25-2	Bromoform	<2.70	<2.70	ppbv	<27.9	<28.0	ug/m³
74-83-9	Bromomethane	<2.70	<2.70	ppbv	<10.5	<10.5	ug/m³
123-72-8	Butanal	<2.70	<2.70	ppbv	<7.95	<7.96	ug/m³
75-15-0	Carbon Disulfide	<2.70	84.8	ppbv	<8.39	264	ug/m³
56-23-5	Carbon Tetrachloride	<2.70	<2.70	ppbv	<17.0	<17.0	ug/m³
108-90-7	Chlorobenzene	<2.70	<2.70	ppbv	<12.5	<12.5	ug/m³
75-00-3	Chloroethane	<2.70	<2.70	ppbv	<7.18	<7.19	ug/m³
67-66-3	Chloroform	<2.70	<2.70	ppbv	<13.1	<13.2	ug/m³
74-87-3	Chloromethane	<2.70	5.22	ppbv	<5.52	10.7	ug/m³
156-59-2	cis-1,2-Dichloroethene	<2.70	<2.70	ppbv	<10.7	<10.7	ug/m³
10061-01-5	cis-1,3-Dichloropropene	<2.70	<2.70	ppbv	<12.3	<12.3	ug/m³
110-82-7	Cyclohexane	<2.70	<2.70	ppbv	<9.28	<9.29	ug/m³
75-71-8	Dichlorodifluoromethane	<2.70	<2.70	ppbv	<13.4	<13.4	ug/m³
75-45-6	Difluorochloromethane	<2.70	<2.70	ppbv	<9.50	<9.51	ug/m³
100-41-4	Ethylbenzene	<2.70	<2.70	ppbv	<11.7	<11.7	ug/m³
87-68-3	Hexachlorobutadiene	<2.70	<2.70	ppbv	<28.7	<28.8	ug/m³
66-25-1	Hexanal	<2.70	<2.70	ppbv	<11.0	<11.1	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042311
Sample ID BH3 G **Depth** 1.00 - 1.85 **Sampled Date** 08/04/2021 00:00:00

Method TM330 Determination of VOC's in atmospheric, sub-slab and soil gas samples **Canister No.** 0078

Sample Volume (ml) 80 **Dispatch pressure (psia)** -0.13 **Initial pressure (psia)** 13.78 **Final pressure (psia)** 19.87 **Dilution** 1.4419448476

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
110-54-3	Hexane	<2.70	<2.70	ppbv	<9.50	<9.51	ug/m³
74-88-4	Iodomethane	<2.70	<2.70	ppbv	<15.7	<15.7	ug/m³
115-11-7	Isobutene	<2.70	43.8	ppbv	<6.18	100	ug/m³
78-79-5	Isoprene	<2.70	<2.70	ppbv	<7.51	<7.52	ug/m³
108-38-3 & 106-42-3	m/p-Xylene	<5.41	<5.41	ppbv	<23.5	<23.4	ug/m³
78-85-3	Methylacrolein	<2.70	<2.70	ppbv	<7.73	<7.74	ug/m³
75-09-2	Methylene Chloride	<2.70	<2.70	ppbv	<9.39	<9.40	ug/m³
1634-04-4	MTBE	<2.70	<2.70	ppbv	<9.72	<9.73	ug/m³
91-20-3	Naphthalene	<2.70	<2.70	ppbv	<14.1	<14.2	ug/m³
95-47-6	o-Xylene	<2.70	<2.70	ppbv	<11.7	<11.7	ug/m³
110-62-3	Pentanal	<2.70	<2.70	ppbv	<9.50	<9.51	ug/m³
109-66-0	Pentane	<2.70	<2.70	ppbv	<7.95	<7.96	ug/m³
100-42-5	Styrene	<2.70	<2.70	ppbv	<11.5	<11.5	ug/m³
127-18-4	Tetrachloroethene	<2.70	<2.70	ppbv	<18.3	<18.4	ug/m³
108-88-3	Toluene	<2.70	<2.70	ppbv	<10.2	<10.2	ug/m³
156-60-5	trans-1,2-Dichloroethene	<2.70	<2.70	ppbv	<10.7	<10.7	ug/m³
1006-02-6	trans-1,3-Dichloropropene	<2.70	<2.70	ppbv	<12.3	<12.3	ug/m³
79-01-6	Trichloroethene	<2.70	<2.70	ppbv	<14.5	<14.5	ug/m³
75-69-4	Trichlorofluoromethane	<2.70	14.1	ppbv	<15.1	78.9	ug/m³
26523-64-8	Trichlorotrifluoroethane	<2.70	<2.70	ppbv	<20.7	<20.7	ug/m³
108-05-4	Vinyl Acetate	<2.70	<2.70	ppbv	<9.50	<9.51	ug/m³
75-01-4	Vinyl Chloride	<2.70	<2.70	ppbv	<6.85	<6.86	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042315
Sample ID BH5S G **Depth** 2.00 - 3.00 **Sampled Date** 08/04/2021 00:00:00

Method TM330 Determination of VOC's in atmospheric, sub-slab and soil gas samples **Canister No.** 0076

Sample Volume (ml) 65 **Dispatch pressure (psia)** -0.04 **Initial pressure (psia)** 14.39 **Final pressure (psia)** 19.82 **Dilution** 1.3773453787

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
71-55-6	1,1,1-Trichloroethane	<3.18	<3.18	ppbv	<17.3	<17.3	ug/m³
79-34-5	1,1,2,2-Tetrachloroethane	<3.18	<3.18	ppbv	<21.9	<21.8	ug/m³
79-00-5	1,1,2-Trichloroethane	<3.18	<3.18	ppbv	<17.3	<17.3	ug/m³
75-34-3	1,1-Dichloroethane	<3.18	<3.18	ppbv	<12.9	<12.9	ug/m³
75-35-4	1,1-Dichloroethene	<3.18	<3.18	ppbv	<12.6	<12.6	ug/m³
526-73-8	1,2,3-Trimethylbenzene	<3.18	<3.18	ppbv	<15.6	<15.6	ug/m³
120-82-1	1,2,4-Trichlorobenzene	<3.18	<3.18	ppbv	<23.5	<23.5	ug/m³
95-63-6	1,2,4-Trimethylbenzene	<3.18	<3.18	ppbv	<15.6	<15.6	ug/m³
106-93-4	1,2-Dibromoethane	<3.18	<3.18	ppbv	<24.5	<24.4	ug/m³
95-50-1	1,2-Dichlorobenzene	<3.18	<3.18	ppbv	<19.1	<19.1	ug/m³
107-06-2	1,2-Dichloroethane	<3.18	<3.18	ppbv	<12.9	<12.9	ug/m³
78-87-5	1,2-Dichloropropane	<3.18	<3.18	ppbv	<14.7	<14.7	ug/m³
76-14-2	1,2-Dichlorotetrafluoroethane	<3.18	<3.18	ppbv	<22.2	<22.2	ug/m³
108-67-8	1,3,5-Trimethylbenzene	<3.18	<3.18	ppbv	<15.6	<15.6	ug/m³
106-99-0	1,3-Butadiene	<3.18	<3.18	ppbv	<7.02	<7.02	ug/m³
106-46-7	1,4-Dichlorobenzene	<3.18	<3.18	ppbv	<19.1	<19.1	ug/m³
123-91-1	1,4-Dioxane	<3.18	<3.18	ppbv	<11.4	<11.4	ug/m³
71-23-8	1-Propanol	<3.18	<3.18	ppbv	<7.80	<7.80	ug/m³
78-93-3	2-Butanone (MEK)	<3.18	<3.18	ppbv	<9.36	<9.36	ug/m³
591-78-6	2-Hexanone	<3.18	<3.18	ppbv	<13.0	<13.0	ug/m³
107-87-9	2-Pentanone	<3.18	<3.18	ppbv	<11.2	<11.2	ug/m³
589-38-8	3-Hexanone	<3.18	<3.18	ppbv	<13.0	<13.0	ug/m³
96-22-0	3-Pentanone	<3.18	<3.18	ppbv	<11.2	<11.2	ug/m³
108-10-1	4-Methyl-2-pentanone	<3.18	<3.18	ppbv	<13.0	<13.0	ug/m³
67-64-1 & 123-38-6	Acetone + Propanal	<6.36	35.0	ppbv	<15.1	82.9	ug/m³
75-05-8	Acetonitrile	<3.18	<3.18	ppbv	<5.33	<5.33	ug/m³
107-02-8	Acrolein	<3.18	<3.18	ppbv	<7.28	<7.28	ug/m³
71-43-2	Benzene	<2.75	<2.75	ppbv	<8.77	<8.79	ug/m³
100-44-7	Benzyl Chloride	<3.18	<3.18	ppbv	<16.5	<16.5	ug/m³
75-27-4	Bromodichloromethane	<3.18	<3.18	ppbv	<21.3	<21.3	ug/m³
75-25-2	Bromoform	<3.18	<3.18	ppbv	<32.9	<32.9	ug/m³
74-83-9	Bromomethane	<3.18	<3.18	ppbv	<12.4	<12.3	ug/m³
123-72-8	Butanal	<3.18	<3.18	ppbv	<9.36	<9.36	ug/m³
75-15-0	Carbon Disulfide	<3.18	86.7	ppbv	<9.88	270	ug/m³
56-23-5	Carbon Tetrachloride	<3.18	<3.18	ppbv	<20.0	<20.0	ug/m³
108-90-7	Chlorobenzene	<3.18	<3.18	ppbv	<14.7	<14.7	ug/m³
75-00-3	Chloroethane	<3.18	<3.18	ppbv	<8.45	<8.45	ug/m³
67-66-3	Chloroform	<3.18	<3.18	ppbv	<15.5	<15.5	ug/m³
74-87-3	Chloromethane	<3.18	7.51	ppbv	<6.50	15.4	ug/m³
156-59-2	cis-1,2-Dichloroethene	<3.18	<3.18	ppbv	<12.6	<12.6	ug/m³
10061-01-5	cis-1,3-Dichloropropene	<3.18	<3.18	ppbv	<14.4	<14.4	ug/m³
110-82-7	Cyclohexane	<3.18	<3.18	ppbv	<10.9	<10.9	ug/m³
75-71-8	Dichlorodifluoromethane	<3.18	<3.18	ppbv	<15.7	<15.7	ug/m³
75-45-6	Difluorochloromethane	<3.18	<3.18	ppbv	<11.2	<11.2	ug/m³
100-41-4	Ethylbenzene	<3.18	<3.18	ppbv	<13.8	<13.8	ug/m³
87-68-3	Hexachlorobutadiene	<3.18	<3.18	ppbv	<33.8	<33.8	ug/m³
66-25-1	Hexanal	<3.18	<3.18	ppbv	<13.0	<13.0	ug/m³
110-54-3	Hexane	<3.18	<3.18	ppbv	<11.2	<11.2	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042315
Sample ID BH5S G **Depth** 2.00 - 3.00 **Sampled Date** 08/04/2021 00:00:00

Method TM330 Determination of VOC's in atmospheric, sub-slab and soil gas samples **Canister No.** 0076

Sample Volume (ml) 65 **Dispatch pressure (psia)** -0.04 **Initial pressure (psia)** 14.39 **Final pressure (psia)** 19.82 **Dilution** 1.3773453787

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
74-88-4	Iodomethane	<3.18	<3.18	ppbv	<18.5	<18.5	ug/m³
115-11-7	Isobutene	<3.18	44.9	ppbv	<7.28	103	ug/m³
78-79-5	Isoprene	<3.18	<3.18	ppbv	<8.84	<8.84	ug/m³
108-38-3 & 106-42-3	m/p-Xylene	<6.36	<6.36	ppbv	<27.6	<27.6	ug/m³
78-85-3	Methylacrolein	<3.18	<3.18	ppbv	<9.10	<9.10	ug/m³
75-09-2	Methylene Chloride	<3.18	<3.18	ppbv	<11.1	<11.0	ug/m³
1634-04-4	MTBE	<3.18	<3.18	ppbv	<11.4	<11.4	ug/m³
91-20-3	Naphthalene	<3.18	<3.18	ppbv	<16.6	<16.6	ug/m³
95-47-6	o-Xylene	<3.18	<3.18	ppbv	<13.8	<13.8	ug/m³
110-62-3	Pentanal	<3.18	<3.18	ppbv	<11.2	<11.2	ug/m³
109-66-0	Pentane	<3.18	<3.18	ppbv	<9.36	<9.36	ug/m³
100-42-5	Styrene	<3.18	<3.18	ppbv	<13.5	<13.5	ug/m³
127-18-4	Tetrachloroethene	<3.18	<3.18	ppbv	<21.6	<21.6	ug/m³
108-88-3	Toluene	<3.18	<3.18	ppbv	<12.0	<12.0	ug/m³
156-60-5	trans-1,2-Dichloroethene	<3.18	<3.18	ppbv	<12.6	<12.6	ug/m³
1006-02-6	trans-1,3-Dichloropropene	<3.18	<3.18	ppbv	<14.4	<14.4	ug/m³
79-01-6	Trichloroethene	<3.18	<3.18	ppbv	<17.0	<17.0	ug/m³
75-69-4	Trichlorofluoromethane	<3.18	14.2	ppbv	<17.8	79.5	ug/m³
26523-64-8	Trichlorotrifluoroethane	<3.18	<3.18	ppbv	<24.3	<24.3	ug/m³
108-05-4	Vinyl Acetate	<3.18	<3.18	ppbv	<11.2	<11.2	ug/m³
75-01-4	Vinyl Chloride	<3.18	<3.18	ppbv	<8.06	<8.06	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042319

Sample ID BH8 G **Depth** 1.00 - 1.80 **Sampled Date** 08/04/2021 00:00:00

Method TM330 Determination of VOC's in atmospheric, sub-slab and soil gas samples **Canister No.** 0075

Sample Volume (ml) 65 **Dispatch pressure (psia)** -0.10 **Initial pressure (psia)** 15.33 **Final pressure (psia)** 19.80 **Dilution** 1.2915851272

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
71-55-6	1,1,1-Trichloroethane	<2.98	<2.98	ppbv	<16.2	<16.2	ug/m³
79-34-5	1,1,2,2-Tetrachloroethane	<2.98	<2.98	ppbv	<20.5	<20.5	ug/m³
79-00-5	1,1,2-Trichloroethane	<2.98	<2.98	ppbv	<16.2	<16.2	ug/m³
75-34-3	1,1-Dichloroethane	<2.98	<2.98	ppbv	<12.1	<12.1	ug/m³
75-35-4	1,1-Dichloroethene	<2.98	<2.98	ppbv	<11.8	<11.8	ug/m³
526-73-8	1,2,3-Trimethylbenzene	<2.98	<2.98	ppbv	<14.6	<14.6	ug/m³
120-82-1	1,2,4-Trichlorobenzene	<2.98	<2.98	ppbv	<22.1	<22.1	ug/m³
95-63-6	1,2,4-Trimethylbenzene	<2.98	<2.98	ppbv	<14.6	<14.6	ug/m³
106-93-4	1,2-Dibromoethane	<2.98	<2.98	ppbv	<22.9	<22.9	ug/m³
95-50-1	1,2-Dichlorobenzene	<2.98	<2.98	ppbv	<17.9	<17.9	ug/m³
107-06-2	1,2-Dichloroethane	<2.98	<2.98	ppbv	<12.1	<12.1	ug/m³
78-87-5	1,2-Dichloropropane	<2.98	<2.98	ppbv	<13.8	<13.8	ug/m³
76-14-2	1,2-Dichlorotetrafluoroethane	<2.98	<2.98	ppbv	<20.8	<20.8	ug/m³
108-67-8	1,3,5-Trimethylbenzene	<2.98	<2.98	ppbv	<14.6	<14.6	ug/m³
106-99-0	1,3-Butadiene	<2.98	<2.98	ppbv	<6.58	<6.58	ug/m³
106-46-7	1,4-Dichlorobenzene	<2.98	<2.98	ppbv	<17.9	<17.9	ug/m³
123-91-1	1,4-Dioxane	<2.98	<2.98	ppbv	<10.7	<10.7	ug/m³
71-23-8	1-Propanol	<2.98	<2.98	ppbv	<7.31	<7.31	ug/m³
78-93-3	2-Butanone (MEK)	<2.98	<2.98	ppbv	<8.78	<8.78	ug/m³
591-78-6	2-Hexanone	<2.98	<2.98	ppbv	<12.2	<12.2	ug/m³
107-87-9	2-Pentanone	<2.98	<2.98	ppbv	<10.5	<10.5	ug/m³
589-38-8	3-Hexanone	<2.98	<2.98	ppbv	<12.2	<12.2	ug/m³
96-22-0	3-Pentanone	<2.98	<2.98	ppbv	<10.5	<10.5	ug/m³
108-10-1	4-Methyl-2-pentanone	<2.98	<2.98	ppbv	<12.2	<12.2	ug/m³
67-64-1 & 123-38-6	Acetone + Propanal	<5.96	32.1	ppbv	<14.1	76.2	ug/m³
75-05-8	Acetonitrile	<2.98	<2.98	ppbv	<5.00	<5.00	ug/m³
107-02-8	Acrolein	<2.98	<2.98	ppbv	<6.83	<6.83	ug/m³
71-43-2	Benzene	<2.58	<2.58	ppbv	<8.23	<8.24	ug/m³
100-44-7	Benzyl Chloride	<2.98	<2.98	ppbv	<15.5	<15.5	ug/m³
75-27-4	Bromodichloromethane	<2.98	<2.98	ppbv	<20.0	<20.0	ug/m³
75-25-2	Bromoform	<2.98	<2.98	ppbv	<30.8	<30.8	ug/m³
74-83-9	Bromomethane	<2.98	<2.98	ppbv	<11.6	<11.6	ug/m³
123-72-8	Butanal	<2.98	<2.98	ppbv	<8.78	<8.78	ug/m³
75-15-0	Carbon Disulfide	<2.98	85.9	ppbv	<9.26	267	ug/m³
56-23-5	Carbon Tetrachloride	<2.98	<2.98	ppbv	<18.8	<18.8	ug/m³
108-90-7	Chlorobenzene	<2.98	<2.98	ppbv	<13.8	<13.8	ug/m³
75-00-3	Chloroethane	<2.98	<2.98	ppbv	<7.92	<7.92	ug/m³
67-66-3	Chloroform	<2.98	<2.98	ppbv	<14.5	<14.5	ug/m³
74-87-3	Chloromethane	<2.98	6.72	ppbv	<6.09	13.7	ug/m³
156-59-2	cis-1,2-Dichloroethene	<2.98	<2.98	ppbv	<11.8	<11.8	ug/m³
10061-01-5	cis-1,3-Dichloropropene	<2.98	<2.98	ppbv	<13.5	<13.5	ug/m³
110-82-7	Cyclohexane	<2.98	<2.98	ppbv	<10.2	<10.2	ug/m³
75-71-8	Dichlorodifluoromethane	<2.98	<2.98	ppbv	<14.7	<14.8	ug/m³
75-45-6	Difluorochloromethane	<2.98	<2.98	ppbv	<10.5	<10.5	ug/m³
100-41-4	Ethylbenzene	<2.98	<2.98	ppbv	<12.9	<12.9	ug/m³
87-68-3	Hexachlorobutadiene	<2.98	<2.98	ppbv	<31.7	<31.7	ug/m³
66-25-1	Hexanal	<2.98	<2.98	ppbv	<12.2	<12.2	ug/m³
110-54-3	Hexane	<2.98	<2.98	ppbv	<10.5	<10.5	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042319
Sample ID BH8 G **Depth** 1.00 - 1.80 **Sampled Date** 08/04/2021 00:00:00

Method TM330 Determination of VOC's in atmospheric, sub-slab and soil gas samples **Canister No.** 0075

Sample Volume (ml) 65 **Dispatch pressure (psia)** -0.10 **Initial pressure (psia)** 15.33 **Final pressure (psia)** 19.80 **Dilution** 1.2915851272

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
74-88-4	Iodomethane	<2.98	<2.98	ppbv	<17.3	<17.3	ug/m³
115-11-7	Isobutene	<2.98	42.9	ppbv	<6.83	98.3	ug/m³
78-79-5	Isoprene	<2.98	<2.98	ppbv	<8.29	<8.29	ug/m³
108-38-3 & 106-42-3	m/p-Xylene	<5.96	<5.96	ppbv	<25.8	<25.8	ug/m³
78-85-3	Methylacrolein	<2.98	<2.98	ppbv	<8.53	<8.53	ug/m³
75-09-2	Methylene Chloride	<2.98	<2.98	ppbv	<10.4	<10.4	ug/m³
1634-04-4	MTBE	<2.98	<2.98	ppbv	<10.7	<10.7	ug/m³
91-20-3	Naphthalene	<2.98	<2.98	ppbv	<15.6	<15.6	ug/m³
95-47-6	o-Xylene	<2.98	<2.98	ppbv	<12.9	<12.9	ug/m³
110-62-3	Pentanal	<2.98	<2.98	ppbv	<10.5	<10.5	ug/m³
109-66-0	Pentane	<2.98	<2.98	ppbv	<8.78	<8.78	ug/m³
100-42-5	Styrene	<2.98	<2.98	ppbv	<12.7	<12.7	ug/m³
127-18-4	Tetrachloroethene	<2.98	<2.98	ppbv	<20.2	<20.2	ug/m³
108-88-3	Toluene	<2.98	<2.98	ppbv	<11.2	<11.2	ug/m³
156-60-5	trans-1,2-Dichloroethene	<2.98	<2.98	ppbv	<11.8	<11.8	ug/m³
1006-02-6	trans-1,3-Dichloropropene	<2.98	<2.98	ppbv	<13.5	<13.5	ug/m³
79-01-6	Trichloroethene	<2.98	<2.98	ppbv	<16.0	<16.0	ug/m³
75-69-4	Trichlorofluoromethane	<2.98	14.2	ppbv	<16.7	79.4	ug/m³
26523-64-8	Trichlorotrifluoroethane	<2.98	<2.98	ppbv	<22.8	<22.8	ug/m³
108-05-4	Vinyl Acetate	<2.98	<2.98	ppbv	<10.5	<10.5	ug/m³
75-01-4	Vinyl Chloride	<2.98	<2.98	ppbv	<7.56	<7.56	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042322

Sample ID BH9 G **Depth** 1.00 - 2.44 **Sampled Date** 08/04/2021 00:00:00

Method TM330 Determination of VOC's in atmospheric, sub-slab and soil gas samples **Canister No.** 0077

Sample Volume (ml) 80 **Dispatch pressure (psia)** 0.16 **Initial pressure (psia)** 14.70 **Final pressure (psia)** 19.65 **Dilution** 1.3367346939

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
71-55-6	1,1,1-Trichloroethane	<2.51	<2.51	ppbv	<13.7	<13.6	ug/m³
79-34-5	1,1,2,2-Tetrachloroethane	<2.51	<2.51	ppbv	<17.2	<17.2	ug/m³
79-00-5	1,1,2-Trichloroethane	<2.51	<2.51	ppbv	<13.7	<13.6	ug/m³
75-34-3	1,1-Dichloroethane	<2.51	<2.51	ppbv	<10.2	<10.1	ug/m³
75-35-4	1,1-Dichloroethene	<2.51	<2.51	ppbv	<9.96	<9.94	ug/m³
526-73-8	1,2,3-Trimethylbenzene	<2.51	<2.51	ppbv	<12.3	<12.3	ug/m³
120-82-1	1,2,4-Trichlorobenzene	<2.51	<2.51	ppbv	<18.6	<18.6	ug/m³
95-63-6	1,2,4-Trimethylbenzene	<2.51	<2.51	ppbv	<12.3	<12.3	ug/m³
106-93-4	1,2-Dibromoethane	<2.51	<2.51	ppbv	<19.3	<19.3	ug/m³
95-50-1	1,2-Dichlorobenzene	<2.51	<2.51	ppbv	<15.1	<15.1	ug/m³
107-06-2	1,2-Dichloroethane	<2.51	<2.51	ppbv	<10.2	<10.1	ug/m³
78-87-5	1,2-Dichloropropane	<2.51	<2.51	ppbv	<11.6	<11.6	ug/m³
76-14-2	1,2-Dichlorotetrafluoroethane	<2.51	<2.51	ppbv	<17.6	<17.5	ug/m³
108-67-8	1,3,5-Trimethylbenzene	<2.51	<2.51	ppbv	<12.3	<12.3	ug/m³
106-99-0	1,3-Butadiene	<2.51	<2.51	ppbv	<5.54	<5.54	ug/m³
106-46-7	1,4-Dichlorobenzene	<2.51	<2.51	ppbv	<15.1	<15.1	ug/m³
123-91-1	1,4-Dioxane	<2.51	<2.51	ppbv	<9.03	<9.02	ug/m³
71-23-8	1-Propanol	<2.51	<2.51	ppbv	<6.16	<6.15	ug/m³
78-93-3	2-Butanone (MEK)	<2.51	<2.51	ppbv	<7.39	<7.38	ug/m³
591-78-6	2-Hexanone	<2.51	<2.51	ppbv	<10.3	<10.3	ug/m³
107-87-9	2-Pentanone	<2.51	<2.51	ppbv	<8.83	<8.82	ug/m³
589-38-8	3-Hexanone	<2.51	<2.51	ppbv	<10.3	<10.3	ug/m³
96-22-0	3-Pentanone	<2.51	<2.51	ppbv	<8.83	<8.82	ug/m³
108-10-1	4-Methyl-2-pentanone	<2.51	<2.51	ppbv	<10.3	<10.3	ug/m³
67-64-1 & 123-38-6	Acetone + Propanal	<5.01	34.3	ppbv	<11.9	81.5	ug/m³
75-05-8	Acetonitrile	<2.51	<2.51	ppbv	<4.21	<4.20	ug/m³
107-02-8	Acrolein	<2.51	<2.51	ppbv	<5.75	<5.74	ug/m³
71-43-2	Benzene	<2.17	<2.17	ppbv	<6.92	<6.93	ug/m³
100-44-7	Benzyl Chloride	<2.51	<2.51	ppbv	<13.0	<13.0	ug/m³
75-27-4	Bromodichloromethane	<2.51	<2.51	ppbv	<16.8	<16.8	ug/m³
75-25-2	Bromoform	<2.51	<2.51	ppbv	<26.0	<25.9	ug/m³
74-83-9	Bromomethane	<2.51	<2.51	ppbv	<9.75	<9.74	ug/m³
123-72-8	Butanal	<2.51	<2.51	ppbv	<7.39	<7.38	ug/m³
75-15-0	Carbon Disulfide	<2.51	90.2	ppbv	<7.80	280	ug/m³
56-23-5	Carbon Tetrachloride	<2.51	<2.51	ppbv	<15.8	<15.8	ug/m³
108-90-7	Chlorobenzene	<2.51	<2.51	ppbv	<11.6	<11.6	ug/m³
75-00-3	Chloroethane	<2.51	<2.51	ppbv	<6.67	<6.66	ug/m³
67-66-3	Chloroform	<2.51	<2.51	ppbv	<12.2	<12.2	ug/m³
74-87-3	Chloromethane	<2.51	<2.51	ppbv	<5.13	<5.13	ug/m³
156-59-2	cis-1,2-Dichloroethene	<2.51	<2.51	ppbv	<9.96	<9.94	ug/m³
10061-01-5	cis-1,3-Dichloropropene	<2.51	<2.51	ppbv	<11.4	<11.4	ug/m³
110-82-7	Cyclohexane	<2.51	<2.51	ppbv	<8.62	<8.61	ug/m³
75-71-8	Dichlorodifluoromethane	<2.51	<2.51	ppbv	<12.4	<12.4	ug/m³
75-45-6	Difluorochloromethane	<2.51	<2.51	ppbv	<8.83	<8.82	ug/m³
100-41-4	Ethylbenzene	<2.51	<2.51	ppbv	<10.9	<10.9	ug/m³
87-68-3	Hexachlorobutadiene	<2.51	<2.51	ppbv	<26.7	<26.7	ug/m³
66-25-1	Hexanal	<2.51	<2.51	ppbv	<10.3	<10.3	ug/m³
110-54-3	Hexane	<2.51	<2.51	ppbv	<8.83	<8.82	ug/m³

Validated

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Sample Number 24042322

Sample ID BH9 G **Depth** 1.00 - 2.44 **Sampled Date** 08/04/2021 00:00:00

Method TM330 Determination of VOC's in atmospheric, sub-slab and soil gas samples **Canister No.** 0077

Sample Volume (ml) 80 **Dispatch pressure (psia)** 0.16 **Initial pressure (psia)** 14.70 **Final pressure (psia)** 19.65 **Dilution** 1.3367346939

CAS Number	Compound	LOD	Result	Units	LOD	Result	Units
74-88-4	Iodomethane	<2.51	<2.51	ppbv	<14.6	<14.6	ug/m³
115-11-7	Isobutene	<2.51	45.6	ppbv	<5.75	104	ug/m³
78-79-5	Isoprene	<2.51	<2.51	ppbv	<6.98	<6.97	ug/m³
108-38-3 & 106-42-3	m/p-Xylene	<5.01	<5.01	ppbv	<21.7	<21.7	ug/m³
78-85-3	Methylacrolein	<2.51	<2.51	ppbv	<7.19	<7.18	ug/m³
75-09-2	Methylene Chloride	<2.51	<2.51	ppbv	<8.73	<8.71	ug/m³
1634-04-4	MTBE	<2.51	<2.51	ppbv	<9.03	<9.02	ug/m³
91-20-3	Naphthalene	<2.51	<2.51	ppbv	<13.1	<13.1	ug/m³
95-47-6	o-Xylene	<2.51	<2.51	ppbv	<10.9	<10.9	ug/m³
110-62-3	Pentanal	<2.51	<2.51	ppbv	<8.83	<8.82	ug/m³
109-66-0	Pentane	<2.51	<2.51	ppbv	<7.39	<7.38	ug/m³
100-42-5	Styrene	<2.51	<2.51	ppbv	<10.7	<10.7	ug/m³
127-18-4	Tetrachloroethene	<2.51	<2.51	ppbv	<17.0	<17.0	ug/m³
108-88-3	Toluene	<2.51	<2.51	ppbv	<9.44	<9.43	ug/m³
156-60-5	trans-1,2-Dichloroethene	<2.51	<2.51	ppbv	<9.96	<9.94	ug/m³
1006-02-6	trans-1,3-Dichloropropene	<2.51	<2.51	ppbv	<11.4	<11.4	ug/m³
79-01-6	Trichloroethene	<2.51	<2.51	ppbv	<13.4	<13.4	ug/m³
75-69-4	Trichlorofluoromethane	<2.51	15.2	ppbv	<14.1	85.4	ug/m³
26523-64-8	Trichlorotrifluoroethane	<2.51	<2.51	ppbv	<19.2	<19.2	ug/m³
108-05-4	Vinyl Acetate	<2.51	<2.51	ppbv	<8.83	<8.82	ug/m³
75-01-4	Vinyl Chloride	<2.51	<2.51	ppbv	<6.36	<6.36	ug/m³

Table of Results - Appendix

Method No	Reference	Description
TM330	EPA/625/R-96/010b (based on)	Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)
TM335		TPH in atmospheric, sub-slab and soil gas samples

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

CERTIFICATE OF ANALYSIS

SDG:	210408-131	**Client Reference:**	70067958	**Report Number:**	593845
Location:	JHP Land, Tipner West	**Order Number:**	70067958-8A5	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	24042311	24042319	24042322	24042315
Customer Sample Ref.	BH3	BH8	BH9	BH5S
AGS Ref.	G	G	G	G
Depth	1.00 - 1.85	1.00 - 1.80	1.00 - 2.44	2.00 - 3.00
Type	Gas (G)	Gas (G)	Gas (G)	Gas (G)
TPH in Gas samples	13-Apr-2021	13-Apr-2021	13-Apr-2021	13-Apr-2021
VOC's	13-Apr-2021	13-Apr-2021	13-Apr-2021	13-Apr-2021

ASSOCIATED AQC DATA

VOC's

Component	Method Code	QC 2320
1,2,3-Trimethylbenzene	TM330	**12.63** 78.86 : 173.03
1,3,5-Trimethylbenzene	TM330	**12.76** 82.92 : 176.25
1,3-Butadiene	TM330	**11.05** 85.20 : 170.88
Benzene	TM330	**11.67** 78.33 : 165.09
Cyclohexane	TM330	**11.2** 79.74 : 166.39
Ethylbenzene	TM330	**12.51** 84.14 : 162.81
Hexane	TM330	**12.03** 82.42 : 166.45
m/p-Xylene	TM330	**11.88** 88.47 : 171.23
MTBE	TM330	**11.26** 80.15 : 156.28
Naphthalene	TM330	**11.41** 51.21 : 135.00
o-Xylene	TM330	**11.19** 83.52 : 164.48
Toluene	TM330	**10.55** 81.49 : 165.76

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Appendix General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Matrix interference**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**
§	**Sampled on date not provided**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Appendix B.10

GROUND GAS MONITORING RESULTS

CONFIDENTIAL

PRE-REPORT DATA CHECK

- All Response Zone depths are complete.
- All visit dates match in the Monitoring Results and Monitoring Visit tables.
- All visit dates match in the Dip and Monitoring Visit tables.
- All event names match in the Monitoring Point and Dips tables

JHP Site, Tipner West

Key:

Depth to water

- Response zone *fully* flooded during sampling
- Response zone *significantly* flooded during sampling
- Datum or reponse zone information missing. Response zone flooding cannot be calculated

Methane	Carbon Dioxide	Gas Flow
> 1% v/v	> 5% v/v	> 70 l/hr

Visit 1, Event: Round 1, Date: 04/03/2021

Engineer	David Crellin
Start/End Time	07:15 - 17:18
Pressure Start/End (mB)	1024 - 1025
Temperature (Deg C)	7.00
Weather Conditions	Overcast

Equipment	SerialNo	Calibrated
Gas Analyser	GA5000 G5012	Yes
PID	T-108426	Yes
Interface Probe	Solinst 46304	Yes

Comments and Ground Conditions:

Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady	Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	m	m	mm	Y/N
BH10	1.00	2.00	3.10	6.80	0	0.00	0.00	0.10	0.60	20.10	21.20	0.00	0.00		1.20	2.12	N/A	Yes
BH10	8.00	10.00	0.30	0.40	0	0.00	0.00	0.00	0.40	20.00	19.40	0.00	2.00		2.05	9.50	N/A	Yes
BH2	1.00	5.00	0.10	0.20	0	0.00	0.00	0.10	0.20	21.00	21.10	0.10	2.00		0.97	5.02	N/A	Yes
BH3	1.00	5.00	0.00	0.10	0	0.00	0.00	0.10	0.20	21.70	18.80	0.10	2.00		1.96	5.18	N/A	Yes
BH7	1.00	5.00	3.00	7.00	1	0.00	0.00	0.10	0.20	21.40	20.30	0.30	2.00		1.28	5.15	N/A	Yes
BH8	1.00	5.00	0.00	0.00	0	0.00	0.00	0.10	0.50	21.70	19.00	0.10	2.00		1.63	4.98	N/A	Yes
BH9	1.00	5.00	0.00	0.00	0	0.00	0.00	0.10	0.20	21.20	21.00	0.10	2.00		2.39	4.90	N/A	Yes
BH1	1.00	4.00	0.00	0.00	0	0.00	0.00	0.00	0.00	19.50	14.20	0.38	0.00	0.00	2.26	3.85	N/A	Yes
BH1	8.00	10.00	0.00	0.00	0	0.00	0.00	0.00	0.60	19.70	19.70	0.10	0.00	0.00	2.55	9.54	N/A	Yes
BH4	1.00	2.00	0.00	0.00	0	0.00	0.00	0.20	0.10	19.80	18.70	0.10	0.00	0.00	2.15	2.19	N/A	Yes
BH5	2.00	5.00	0.00	0.00	0	0.00	0.00	0.60	1.90	19.60	15.60	0.10	0.00	0.00	2.70	5.15	N/A	Yes
BH5	8.00	10.00	0.00	0.00	0	0.00	0.00	0.00	0.00	19.80	19.70	0.00	0.00	0.00	4.35	9.44	N/A	Yes
BH6	1.00	3.30	0.00	0.00	0	0.00	0.00	0.00	0.00	19.40	19.80	0.00	0.00	0.00	3.10	3.28	N/A	Yes

JHP Site, Tipner West

Key:

Depth to water

- Response zone *fully* flooded during sampling
- Response zone *significantly* flooded during sampling
- Datum or reponse zone information missing. Response zone flooding cannot be calculated

Methane	Carbon Dioxide	Gas Flow
> 1% v/v	> 5% v/v	> 70 l/hr

Visit 2, Event: Round 2, Date: 11/03/2021 — Sheet 1 of 1

Engineer	David Crellin
Start/End Time	08:57 - 13:51
Pressure Start/End (mB)	997 - 1000
Temperature (Deg C)	10.00
Weather Conditions	Scattered Cloud

Equipment	SerialNo	Calibrated
YSI Pro Plus multi-par	15103069	Yes
Gas Analyser	GFM 11974	Yes
PID	Tiger T-108426	Yes
Dipmeter	Solinst 46304	Yes
Interface Probe	ATEX 83456	Yes

Comments and Ground Conditions:

Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady	Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	m	m	mm	Y/N
BH1	1.00	4.00	0.00	0.00	0	0.00	0.00	0.10	0.00	19.80	14.30	0.30	0.00	0.00	2.38	3.83	N/A	No
BH1	8.00	10.00	6.30	0.00	41	0.00	0.00	0.00	0.00	19.30	15.90	0.30	0.00	0.00	1.84	9.52	N/A	No
BH10	1.00	2.00	0.00	0.00	0	0.00	0.00	0.10	0.40	20.30	18.40	0.00	0.00	0.00	1.18	2.16	N/A	No
BH10	8.00	10.00	0.00	0.00	0	0.00	0.00	0.20	0.70	20.60	13.00	0.50	0.00	0.00	1.76	9.49	N/A	No
BH2	1.00	5.00	0.00	0.00	0	0.00	0.00	0.00	0.00	20.20	20.10	0.00	0.00	0.00	0.91	5.08	N/A	No
BH3	1.00	5.00	0.00	0.00	0	0.00	0.00	0.00	0.10	20.40	17.60	0.00	0.00	0.00	1.67	5.25	N/A	No
BH4	1.00	2.00	0.00	0.00	0	0.00	0.00	0.00	0.00	19.10	18.20	0.10	0.00	0.00	2.15	2.24	N/A	No
BH5	2.00	5.00				0.00	0.00	1.60	2.50	19.80	11.50	0.10	0.00	0.00	2.59	5.20	N/A	No
BH5	8.00	10.00	0.00	0.00	0	0.00	0.00	0.20	0.10	20.20	20.10	0.00	0.00	0.00	2.73	9.48	N/A	No
BH6	1.00	3.30	0.00	0.00	0	0.00	0.00	0.00	0.00	20.40	20.10	0.00	0.00	0.00	2.47	3.30	N/A	No
BH7	1.00	5.00	0.00	0.00	0	0.00	0.00	0.00	0.20	20.30	19.60	0.00	0.00	0.00	1.53	5.13	N/A	No
BH8	1.00	5.00	0.00	0.00	0	0.00	0.00	0.10	0.50	20.30	17.60	0.10	0.00	0.00	1.58	5.04	N/A	No
BH9	1.00	5.00	3.40	0.00	0	0.00	0.00	0.00	0.30	20.30	20.10	0.10	0.00	0.00	2.44	4.97	N/A	No

JHP Site, Tipner West

Key:

Depth to water

- Response zone *fully* flooded during sampling
- Response zone *significantly* flooded during sampling
- Datum or reponse zone information missing. Response zone flooding cannot be calculated

Methane	Carbon Dioxide	Gas Flow
> 1% v/v	> 5% v/v	> 70 l/hr

Visit 3, Event: Round 3, Date: 18/03/2021

Engineer	David Crellin
Start/End Time	13:53 - 16:45
Pressure Start/End (mB)	1028 - 1027
Temperature (Deg C)	11.00
Weather Conditions	Overcast

Equipment	SerialNo	Calibrated
PID	T-108426	Yes
Gas Analyser	GFM 11974	Yes
Dipmeter		Yes

Comments and Ground Conditions:

Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady	Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	m	m	mm	Y/N
BH1	1.00	4.00	0.00	0.00	0	0.00	0.00	0.00	0.00	20.60	15.60	0.70	0.00	0.00	2.46	3.83	N/A	No
BH1	8.00	10.00	0.00	0.00	0	0.00	0.00	0.00	0.00	20.60	18.30	0.90	0.00	0.00	2.00	9.90	N/A	No
BH10	1.00	2.00	-4.50	0.00	0	0.00	0.00	0.00	0.40	20.50	18.90	0.80	0.00	0.00	1.16	2.10	N/A	No
BH10	8.00	10.00	0.00	0.00	0	0.00	0.00	0.00	0.90	20.60	10.90	0.30	0.00	0.00	1.68	9.45	N/A	No
BH2	1.00	5.00				0.00	0.00	0.10	0.00	20.40	20.30	0.00	0.00	0.00	0.95	5.08	N/A	No
BH3	1.00	5.00	0.00	0.00	0	0.00	0.00	0.00	0.20	20.40	18.30	0.30	0.00	0.00	1.81	5.18	N/A	No
BH4	1.00	2.00	0.00	0.00	0	0.00	0.00	0.00	0.20	20.60	19.60	0.40	0.00	0.00		2.15	N/A	No
BH5	2.00	5.00	0.00	0.00	0	0.00	0.00	1.00	2.40	18.50	15.00	0.00	0.00	0.00	2.88	5.15	N/A	No
BH5	8.00	10.00	0.00	0.00	0	0.00	0.00	0.00	0.20	20.10	20.00	0.20	0.00	0.00	2.72	9.40	N/A	No
BH6	1.00	3.30	0.00	0.00	0	0.00	0.00	0.00	0.00	20.40	20.20	0.00	0.00	0.00	2.49	3.28	N/A	No
BH7	1.00	5.00	67.00	0.00	0	0.00	0.00	0.00	0.20	18.90	17.50	0.40	0.00	0.00	1.45	5.15	N/A	No
BH8	1.00	5.00	0.00	0.00	0	0.00	0.00	0.00	0.50	20.50	18.20	0.00	0.00	0.00	1.69	4.97	N/A	No
BH9	1.00	5.00	0.00	0.00	0	0.00	0.00	0.40	0.40	20.50	19.80	0.00	0.00	0.00	2.44	4.92	N/A	No

JHP Site, Tipner West

Key:

Depth to water

- Response zone *fully* flooded during sampling
- Response zone *significantly* flooded during sampling
- Datum or reponse zone information missing. Response zone flooding cannot be calculated

Methane	Carbon Dioxide	Gas Flow
> 1% v/v	> 5% v/v	> 70 l/hr

Visit 4, Event: Round 4, Date: 07/04/2021 — Sheet 1 of 1

Engineer	David Crellin
Start/End Time	08:33 - 16:08
Pressure Start/End (mB)	1025 - 1024
Temperature (Deg C)	2.00
Weather Conditions	Clear

Equipment	SerialNo	Calibrated
PID	T-108426	Yes
Interface Probe	Solinst 349930	Yes
Gas Analyser	GFM 435 - 119	Yes

Comments and Ground Conditions:

Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady	Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	m	m	mm	Y/N
BH1	1.00	4.00	0.00	0.00	0	0.00	0.00	0.00	0.00	20.50	14.40	0.30	0.00	0.00	2.41	3.85	N/A	No
BH1	8.00	10.00	0.00	0.00	0	0.00	0.00	0.00	0.00	20.00	19.90	0.40	0.00	0.00	2.88	9.60	N/A	No
BH10	1.00	2.00	0.00	0.00	0	0.00	0.00	2.10	1.90	20.00	14.60	0.20	0.00	0.00	1.38	2.12	N/A	No
BH10	8.00	10.00	0.00	0.00	0	0.00	0.00	0.30	1.60	20.00	15.00	0.30	0.00	0.00	2.22	9.50	N/A	No
BH2	1.00	5.00	0.00	0.00	0	0.00	0.00	0.00	0.00	20.10	20.00	0.20	0.00	0.00	0.98	5.09	N/A	No
BH3	1.00	5.00	0.00	0.00	0	0.00	0.00	0.10	0.30	20.20	18.00	0.50	0.00	0.00	1.85	5.20	N/A	Yes
BH4	1.00	2.00	0.00	0.00	0	0.00	0.00	0.10	0.30	20.30	19.70	0.20	0.00	0.00	2.15	2.24	N/A	No
BH5	2.00	5.00	0.00	0.00	0	0.00	0.00	0.30	2.40	19.90	14.30	0.30	0.00	0.00	3.00	5.20	N/A	Yes
BH5	8.00	10.00	0.00	0.00	0	0.00		0.10	0.40	20.20	19.60	0.20	0.00	0.00	2.77	9.46	N/A	No
BH6	1.00	3.30	0.00	0.00	0	0.00	0.00	0.00	0.00	20.30	20.00	0.10	0.00	0.00	2.68	3.36	N/A	No
BH7	1.00	5.00	0.00	0.00	0	0.00	0.00	0.10	0.20	20.20	16.70	0.40	0.00	0.00	1.79	5.15	N/A	No
BH8	1.00	5.00	0.00	0.00	0	0.00	0.00	0.20	0.50	20.10	18.50	0.30	0.00	0.00	1.80	5.04	N/A	Yes
BH9	1.00	5.00	0.00	0.00	0	0.00	0.00	0.00	0.50	20.00	19.30	0.10	0.00	0.00	2.44	5.00	N/A	Yes

Appendix C

RISK ASSESSMENT METHODOLOGY

CONFIDENTIAL

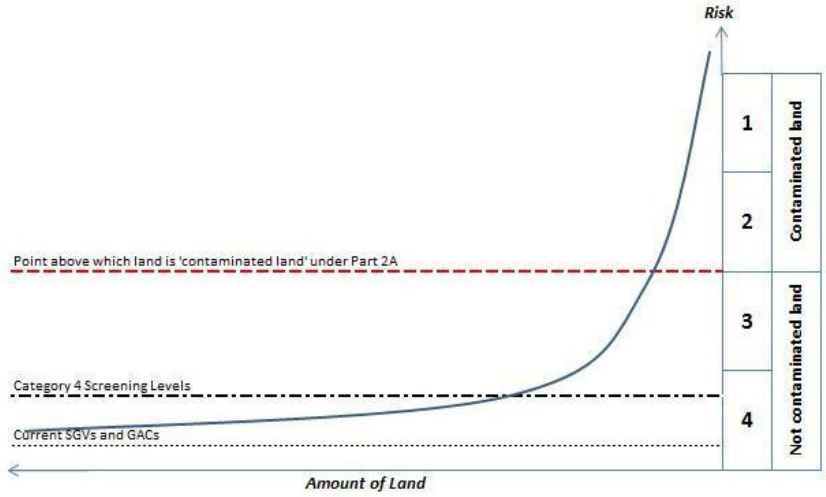
METHODOLOGY FOR THE DERIVATION OF GENERIC QUANTITATIVE ASSESSMENT CRITERIA TO EVALUATE RISKS TO HUMAN HEALTH FROM SOIL & GROUNDWATER CONTAMINATION

UK APPROACH

In the UK, the potential risks to human health from contamination in the ground are usually evaluated through a generic quantitative risk assessment (GQRA) approach. This allows generic and conservative exposure assumptions to be readily applied to risk assessments and can be a useful tool for rapidly screening data and to identify those contaminants or scenarios that could benefit from further investigation and/or site-specific detailed quantitative risk assessment (DQRA). Current industry good practice is to use the approach presented in the Environment Agency (EA) publications SR2[1] and SR3[2]. This approach allows the derivation of Generic Assessment Criteria (GACs), primarily for chronic exposure.

In April 2012, the Department of Environment, Food and Rural Affairs (Defra) published updated statutory guidance[3] which introduced a four category approach to determining whether land in England and Wales is contaminated or not on the grounds of significant possibility of significant harm (SPOSH). **Figure 1** presents a graphical representation of the categories.

Figure 1: Four Categories for Determining if Land Represent a SPOSH



Cases classified as Category 1 are considered to be SPOSH based on actual evidence or an unacceptably high probability of harm existing. Category 4 cases are those where there is no risk, or a low risk of SPOSH.

[1] Environment Agency '*Human Health Toxicological Assessment of Contaminants in Soil',* Report SC050021/SR2. January 2009.
[2] Environment Agency '*Updated Technical Background to the CLEA Model*,' Report SC050021/SR3. January 2009.
[3] Defra '*Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance'.* April 2012.

GACs represent a minimal risk level, well within Category 4. A 2014 publication by Contaminated Land: Applicatons in Real Environments (CL:AIRE),SP1010[4] and endorsed by Defra[5] provided an approach to determine Category 4 Screening Levels (C4SLs) which are higher than the GACs whilst being "more pragmatic but still strongly precautionary". It also provided C4SLs for six contaminants of concern. Although the C4SLs were designed to support Part 2A assessments to determine 'contaminated land' they are specifically mentioned, along with reference to the Part 2A statutory guidance, by the Department for Communities and Local Government (DCLG) for use in a planning context[6].

An updated version the Contaminated Land Exposure Assessment (CLEA) Workbook (v1.071) was released by the EA in September 2015 to take into account the publication of SP1010. The updates comprised: additional toxicity data for the six chemicals for which C4SLs were derived; two new public open space land use scenarios; updated exposure parameters; options to run the model using C4SL exposure assumptions; and increased functionality. There were no changes to algorithms, so it is still possible to replicate the withdrawn SGVs using the input parameters held within v1.071.

It should be noted that the four category approach has not been adopted in Scotland under Part 2A or the planning regime. The Part 2A statutory guidance applicable in Scotland (Paper SE/2006/44 dated May 2006) does not reflect the changes introduced by Defra in April 2012 which allow for the use of C4SLs within Part 2A risk assessments. Additionally, it is considered that the principal of 'minimal risk' should still apply under planning in Scotland, based on current guidance.

WSP APPROACH

Following the withdrawal of the SGVs, and in the absence of an industry-wide, accepted set of GACs it is down to individual practitioners to derive their own soil assessment criteria. WSP has used the approach provided within SR2, SR3, SP1010, CLEA Workbook v1.071and SR4[7] to produce a set of minimal risk GACs. The chemical-specific data within two key publications were considered during their production: CL:AIRE 2010[8] and LQM 2015[9]. Both documents provide comprehensive sets of GACs for different contaminants of concern.

The LQM Suitable For Use Levels (S4ULs) have selected exposure parameters someway between those of the SR3 land uses and the C4SL exposure scenarios. This approach was rejected by WSP as not representing minimal risk, however, the LQM S4UL document was critically reviewed and the approach and chemical input parameters were utilised where considered to be appropriate.

An industry-led C4SL Working Group is in the process of deriving a larger set of C4SLs in the near future, for approximately 20 contaminants. This will include a critical review of the chemical input data for all selected substances, and may therefore lead to further amendments to the chemical input data used in the WSP in-house screening values. It is considered likely that the contaminant list will

[4] CL:AIRE *'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination'* SP1010, Final Project Report (Revision 2). September 2014.
[5] Defra 'SP1010: *Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Policy Companion Document'*. December 2014.
[6] DCLG Planning Practice Guidance '*Land Affected by Contamination'*, particularly Paragraphs 001 and 007. Ref IDs: 33-001-20140306 & 33-007-20140612.
[7] Environment Agency '*CLEA Software (Version 1.05) Handbook (and Software)',* Report SC050021/SR4. September 2009.
[8] CL:AIRE 'The EIC/AGS/CL:AIRE *Soil Generic Assessment Criteria for Human Health Risk Assessment'.* ISBN 978-1-05046-20-1. January 2010.
[9] Nathanail et al '*The LQM/CIEH S4ULs for Human Health Risk Assessment*', Land Quality Press, ISBN 978-0-9931084-0-2. 2015.

crossover with the current CL:AIRE GACs. As such, this document was not critically reviewed by WSP.

WSP's current approach to the assessment of risks to human health is to continue to evaluate minimal risk through the use of in-house derived GACs, and to use the published C4SLs as a secondary tier of assessment until such time as additional C4SLs are published and/or in-house values are derived.

EXPOSURE MODELS

LAND USES

WSP has largely adopted the exposure assumptions of the generic land use scenarios included within SR3, with two additional public open space scenarios included from within SP1010:

- Residential with homegrown produce consumption;
- Residential without homegrown produce consumption;
- Allotments;
- Commercial;
- Public open space near residential housing (POS_{resi}); and
- Public park (POS_{park}).

Exceptions are described in the following Sections.

SOIL PROPERTIES

SR3 assumes a sandy loam soil with a pH of 7 and a Soil Organic Matter (SOM) content of 6% for its generic land uses, based on the geographical spread of topsoils in the UK. WSP has adopted these default values. In addition, GACs based on an SOM of 1% and 2.5% have been derived, based on common experience of the nature of Made Ground and lack of topsoil on many brownfield sites.

RECEPTOR CHARACTERISTICS AND BEHAVIOURS

SP1010 provides some updated exposure parameters for long-term inhalation rates[10] and the consumption rates for homegrown produce[11] compared to those provided in SR3. This data was used to derived WSP's GACs.

The changes in inhalation rates do not apply to the allotment generic land use scenario, as these are based on the breathing rates for short-term exposure of light to moderate intensity activity which were derived from a study that was not updated in USEPA 2011, so the SR3 rates were retained.

[10] USEPA, National Centre for Environmental Assessment '*Exposure Factors Handbook: 2011 Edition*' EPA/600/R-09/052F. September 2011.
[11] National Diet and Nutrition Survey 2008/2009 to 2010/2011.

CHEMICAL DATA

PHYSICO-CHEMICAL PARAMETERS

Physico-chemical properties for the contaminants for which GACs have been derived have been obtained following critical review of the following hierarchy of data sources:

1. Environment Agency/Defra SGV reports where available.
2. Environment Agency '*Compilation of Data for Priority Organic Pollutants for Derivation of Soil Guideline Values*', Report SC050021/SR7, November 2008.
3. Published fate and transport reviews within Nathanail et. al 2015 and CL:AIRE 2010.

Where appropriate, and where sufficient data is available, values were adjusted to reflect a UK soil temperature of 10ºC (e.g. K_{aw}).

TOXICOLOGICAL DATA

Toxicological data for the derivation of minimal risk Health Criteria Values (HCV) for each contaminant was selected with due regard to the approach presented in SR2. Where appropriate, the following hierarchy of data sources was used:

1. UK toxicity reviews published by authoritative bodies including:
   - EA;
   - Public Health England (PHE);
   - Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment (COT); and
   - Committee on Carcinogenicity of Chemicals in Food, Consumer Products and the Environment (COC).
2. Authoritative European sources such as European Food Standards Agency (EFSA)
3. International organisations including:
   - World Health Organisation (WHO); and
   - Joint FAO/WHO Expert Committee on Food Additives (JECFA).
4. Authoritative country-specific sources including:
   - United States Environmental Protection Agency (USEPA);
   - US Agency for Toxic Substances and Disease Registry (ATSDR);
   - US Integrated Risk Information System (IRIS); and
   - Netherlands National Institute for Public Health and the Environment (RIVM).

Factors such as the applicability of the data to human health (e.g. epidemiological vs. animal studies), the quality of the data, the level of uncertainty in the results and the age of the data were also taken into account in the final selection. Details for specific substances are available on request.

MEAN DAILY INTAKES

Estimations of background exposure for each threshold substance have been updated. In line with the SR2 approach, the exposure from non-threshold substances in the soil does not take into account exposure from other sources, and as such GACs were derived without consideration of the Mean Daily Intake (MDI) for those substances.

The data published by the EA in its series of TOX reports between 2002 and 2009 was evaluated to determine whether the values were considered to remain valid today. Values from these current UK published sources were not amended unless they were considered to be significantly different so that the GACs remained as comparable as possible with the revoked SGVs.

ORAL MEAN DAILY INTAKES

Oral MDI were generally estimated as the sum of exposure via the ingestion of food and drinking water using the default adult physiological parameters presented in Table 3.3 of SR2.

Data on the exposure of substances from food ingestion was generally obtained from UK Total Diet Studies (TDS) published by the Food Standards Agency (FSA) and its predecessor the Ministry of Agriculture, Fisheries and Food (MAFF) and from studies commissioned by COT. Where no UK-specific data was available, MDI were derived from the European Food Safety Authority (EFSA), Health Canada and US sources. This was a rare occurrence, and in these instances, the data was evaluated to determine its applicability to the UK.

Data on the concentrations of substances in tap water was obtained from a variety of sources. UK data was used where available, with preference given to Drinking Water Inspectorate (DWI) 2014 data from water company tap water testing (LOD, 1st and 99th percentile data is available). Where the substance was not included in tap water testing, other UK sources of information were considered including:

- à DWI data from water company tap water testing from previous years;
- à COT; and
- à FSA.

Where UK data was not available, a number of other data sources were considered, largely WHO International Programme on Chemical Safety (IPCS) Concise International Chemical Assessment Documents (CICADs) and background documents for the development of Guidelines for Drinking Water Quality, using professional judgement on the relevance of the data to the UK. The final decision on the MDI from drinking water was made using professional judgement on the balance of relevance and probability, taking into account the detection limit where not detected, Koc and solubility, reduction in use of the substance, banned substances, tight controls (e.g. on explosives) and with due consideration to the SR2 instruction that “if no data or information in background exposure are available, background exposure should be assumed to be negligible and the MDI set to zero….”.

Data from other countries was generally not used because it was considered that the hydrogeology of these countries along with industrial practices were unlikely to be reflective of the UK.

INHALATION MEAN DAILY INTAKES

Inhalation MDIs were based on estimates of average daily exposure by the inhalation pathway and calculated using the default adult physiological parameters presented in Table 3.3 of SR2.

The inhalation MDIs were generally estimated using background exposure data from the UK, derived from Defra's UK-AIR: Air Information Resource[12], which provides ambient air quality data from a number of sites forming a UK-wide monitoring network. The MDIs for heavy metals were based on rolling annual average metal mass concentration data from Defra's UK Heavy Metals Monitoring Network from the period October 2009 to September 2010[13].

Information for some substances was obtained from UK sources including Environment Agency TOX reports and data from the UK Expert Panel on Air Quality Standards (EPAQS). Where recent UK data was not available, data was sourced from the International Programme on Chemical Safety (IPCS), the World Health Organisation (WHO), the Agency for Toxic Substances and Diseases Registry (ATSDR), Health Canada, and various other peer-reviewed sources summarised by LQM/CIEH[14].

For other substances, where no data or information on background exposure was available, background exposure was assumed to be negligible and the MDI set at 0.5*TDI in accordance with guidance in SR2.

PLANT UPTAKE

Soil to plant concentration factors are available in CLEA v1.071 for arsenic, cadmium, hexavalent chromium, lead, mercury, nickel and selenium. For all remaining inorganic chemicals, concentration factors were obtained using the PRISM model. Substance-specific correction factors have been selected in accordance with the guidance established within SR3. This is consistent to the approach utilised in the derivation of the LQM S4UL values and the EIC/AGS/CL:AIRE GAC.

Where there is a lack of appropriate data to enable the derivation of specific soil to plant concentrations factors for organic chemicals, plant uptake was modelled within CLEA v1.071 using the generic equations recommended within SR3, as follows:

- Green Vegetables – Ryan et al. (1988);
- Root Vegetables – Trapp (2002);
- Tuber Vegetables – Trapp et al. (2007); and
- Tree Fruit – Trapp et al. (2003).

There are no suitable models available for modelling uptake for herbaceous fruit or shrub fruit. Exposure is considered negligible.

[12] Crown 2016 copyright Defra via uk-air.defra.gov.uk, licenced under the Open Government Licence (OGL).
[13] Defra, 2013 Spreadsheet of historic data for multiple years for the Metals network. Available online at: http://uk-air.defra.gov.uk/data/metals-data. [Accessed 13/03/2016].
[14] LQM/CIEH, 2015. The LQM/CIEH S4ULs for Human Health Risk Assessment.

SOIL SATURATION LIMITS

GACs are not limited to their theoretical soil saturation within CLEA, although where either the aqueous or the vapour-based saturation is exceeded, this is highlighted within the Workbook (compared with the lower of the two values). This affects pathways which depend on partitioning calculations so in reality this only affects the vapour pathways and is relevant to organic substances and other substances, such as elemental mercury, that have a significant volatile component. However, the Workbook highlights saturation for direct contact pathways to indicate to the user where further qualitative consideration of free phase contamination at surface may be required.

Where the lower of the two saturation limits is exceeded and the vapour pathway is the only exposure route being considered, the chronic risks to human health are likely to be negligible. Further evaluation could be undertaken using an alternative model suitable for evaluating non-aqueous phase liquids (NAPLs), such as the Johnson & Ettinger (J&E) approach described in USEPA 2003. However, WSP considers that if NAPLs are suspected, given the known limitations and over-simplifications of J&E, soil vapour monitoring is a more accurate way of assessing potential risks.

Where the lower saturation limit is exceeded for the vapour pathway and a number of exposure routes are being considered, then the contribution from the NAPL via vapour inhalation to the overall exposure can be evaluated using the procedure provided in SR4. WSP would evaluate this as part of a DQRA process or through soil vapour monitoring on-site to determine site-specific soil vapour concentrations.

CHEMICAL SPECIFIC ASSUMPTIONS

CYANIDES

Cyanide has high acute toxicity, and short term exposure is an important consideration when assessing the risks from soils contaminated with cyanide. The primary risk to human receptors from free cyanide in soils is an acute risk.

There is no current UK guidance available for calculating acute risks from free cyanide. Consequently, GAC for acute exposure were derived using the algorithms presented in MADEP 1992[15] and assuming a one-off ingestion of 10g of soil (this conservative value has been taken as an upper bound estimate for a one-off soil ingestion rate amongst children). Receptor body weights have been selected according to the critical receptor for each exposure scenario. The lowest of the chronic and acute GAC for each land use scenario were adopted by WSP. Brinckerhoff.

LEAD

The SGV for lead was withdrawn by the EA in 2009, and in 2011 the EA withdrew their published TOX report in light of new scientific evidence. The C4SL for lead was derived using the latest scientific evidence from a large human dataset. As such, no chemical-specific margin was applied in the derivation of the C4SL for lead. It may be possible for WSP to derive a GAC for lead using the same dataset and applying a chemical-specific margin, but the value is likely to be lower than UK natural background concentrations. Therefore, WSP has adopted the toxicological data used to derive the C4SLs in deriving the GAC for lead until such time as alternative GACs are published by an authoritative body. The relative bioavailability was set at 100% in line with the approach taken for other GACs, whereas the C4SL assumes 60% for soil and 64% for airborne dust. Thus, the WSP GAC are lower than the C4SLs.

[15] MADEP '*Background Documentation for the Development of an "Available Cyanide" Benchmark Concentration'* 1992. http://www.mass.gov/dep/toxics/cn_soil.htm

POLYCYCLIC AROMATIC HYDROCARBONS

WSP's approach to the assessment of polycyclic aromatic hydrocarbons (PAHs) uses the surrogate marker approach. BaP was used as a surrogate marker for all genotoxic PAHs in line with the Health Protection Agency 2010[16] recommendations and SP1010. This assumes that the PAH profile of the data is similar to that of the coal tars used in the Culp *et al* oral carcinogenicity study from which the toxicity data for BaP was produced. In reality, this profile has been shown by HPA to be applicable on the majority of contaminated sites based on assessment of sites across the country.

The alternative is the Toxic Equivalency Factor (TEF) approach which uses a reference compound and assigns TEFs for other compounds based on estimates of potency. Key uncertainties with this approach include the assumption that all compounds have the same toxic mechanism of action within the body and that no compounds with a greater potency than the reference compound are present. It is considered by the HPA that the TEF approach is likely to under predict the true carcinogenicity of PAHs and therefore favours the surrogate marker approach.

For these reasons, WSP considers that the adoption of BaP as a surrogate marker for genotoxic PAHs as opposed to the TEF approach is reasonable, even in cases where the PAH profile may differ from that of the Culp *et al* study. In addition, WSP has derived a GAC for naphthalene, which is commonly a risk driver due to its high volatility, relative to other PAH compounds, as an indicator compound for threshold PAHs.

TRIMETHYLBENZENES

The GAC for trimethylbenzenes can be used for the assessment of any individual isomer (1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene or 1,3,5-trimethylbenzene), or a mixture of the three isomers.

CHEMICAL GROUPS

For a number of chemical groups, the available toxicity data is for combinations of chemicals. Given that the physico-chemical parameters may differ between the chemicals, the GACs for the chemicals within the groups have been calculated and then the lowest GAC selected to represent the entire group. This was the approach taken by the EA for m-, o- and p-xylenes, and has also been adopted by WSP for:

- 2-chlorophenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol and 2,3,4,6-tetrachlorophenol;
- 2-, 3- and 4-methylphenol (total cresols);
- aldrin and dieldrin; and
- α- and β-endosulphan.

[16] HPA Contaminated Land Information Sheet '*Risk Assessment Approaches for Polycyclic Aromatic Hydrocarbons (PAHs)* 2010

EXPOSURE TO VAPOURS

INHALATION OF MEASURED VAPOURS

WSP has derived a set of soil vapour GACs (GAC_{sv}) that allow for the assessment of measured site soil vapour concentrations, using J&E, in order to establish potential risks via indoor inhalation of vapours. This methodology enables a more robust assessment of exposure via the inhalation of soil vapours indoors than using CLEA-derived soil GAC, as it is based upon measured soil vapour concentrations beneath the site. It also allows for the assessment of vapours from all source terms (i.e. groundwater, soil or NAPL). Outdoor inhalation was not included. WSP considers that the indoor inhalation pathway is the significantly dominant risk-driver.

The generic land use scenarios within CLEA (residential and commercial) that were used to derive the soil GAC were used to define the receptor and building characteristics for the soil vapour GAC. Only residential and commercial generic land use scenarios include the indoor inhalation of vapours pathway.

The GAC_{sv} were derived for three different soil types; sand, sandy loam and clay, reflecting the importance of this parameter within the J&E model. A depth to contamination of 0.85 m below the base of the building foundation was assumed (i.e. 1 m below ground level). This differs from the depth assumed for the soil GAC (0.5 m bgl), but was selected by WSP as a reasonable worst case scenario.

It is acknowledged that the J&E commonly over-predicts indoor vapour concentrations. In particular, it will significantly over-predict vapour concentrations for suspended floor slabs, which many new builds are constructed with, it does not take into account lateral migration and assumes an infinite source of contamination at steady state conditions. In addition, it is common for soil gas/vapour wells to be installed with at least 1 m of plain riser at the surface and this equates to a total depth of 0.85 m below the building foundation plus a 0.15 m thick foundation, and so is more representative of the depth that samples will be taken from.

The TDSIs and IDs for each substance were converted from $\mu gkg^{-1}{}_{bw}day^{-1}$ to μgm^{-3} using the standard conversions quoted in Table 3.3 of SR2, thereby replacing the need to model C_{air} in the equation:

$$C_{air} = \alpha . C_{vap} . 1{,}000{,}000 cm^3 m^{-3}$$

Where:

C_{air} is the concentration of vapours within the building, mg^{-3}

α is the steady state attenuation coefficient between soil and indoor air, dimensionless

C_{vap} is the soil vapour concentration, $mgcm^{-3}$

The target concentrations within indoor air for each substance (C_{air}) are a function of receptor inhalation rates and occupancy periods, as defined by the site conceptual exposure model (assuming standard CLEA occupancy periods and receptors).

The attenuation factor was calculated using J&E (Equation 10.4 in SR3) and the resulting C_{vap} is equivalent to the GAC_{sv} for the modelled exposure scenario.

Where the calculated GAC_{sv} for a substance exceeds the vapour saturation limit, no GAC_{sv} has been proposed.

INHALATION OF GROUNDWATER-DERIVED VAPOURS

The CLEA model does not have the capacity to derive GACs to assess vapours derived from dissolved phase contamination. WSP has derived a set of groundwater GACs (GAC_{gw}) to evaluate the potential risks through the indoor inhalation of groundwater-derived vapours by first applying the approach described above for the derivation of the WSP GAC_{sv} to determine the acceptable concentration in soil vapour directly above the water table.

The depth to groundwater was assumed to be 1 m bgl (i.e. 0.85 m below the base of the building foundation). This depth was considered to be more representative of commonly encountered groundwater conditions than the 0.5 m below the base of the building foundation (i.e. 0.65 m bgl) that is used by CLEA for an unsaturated source present in the overlying soil.

The GAC_{gw} was then back-calculated from the GAC_{sv} using the air-water partition coefficient (K_{aw}) for each substance.

Where the calculated GAC_{gw} for a substance exceeds the solubility limit, no GAC_{gw} has been proposed.

Appendix D

CONTAMINATION ASSESSMENT SCREENING TABLES

CONFIDENTIAL

PRE-REPORT DATA CHECK

All GEOL_GEO2 codes are complete.

All GEOL_GEO2 codes are recognised and suitable for this report.

The following results do not have a sample matrix (SampleMatrix) entered.
These results cannot be mapped or reported.
Check that a **valid test type** is entered and **Recalculate Current Table** in gINT

CNMT

PointId	Depth	Samp Ref	Samp Type	Analyte Code	Test Type	Test (suite)	Method
TP1	0.10		ES	24DNT		SUB	SUB
TP1	0.10		ES	26DNT		SUB	SUB
TP1	0.10		ES	EGDN		SUB	SUB
TP1	0.10		ES	HNS		SUB	SUB
TP1	0.10		ES	HMX		SUB	SUB
TP1	0.10		ES	NC		SUB	SUB
TP1	0.10		ES	NGLC		SUB	SUB
TP1	0.10		ES	PICA		SUB	SUB
TP1	0.10		ES	PCRT		SUB	SUB
TP1	0.10		ES	RDX		SUB	SUB
TP1	0.10		ES	TTRYL		SUB	SUB
TP1	0.10		ES	TNT		SUB	SUB
WS1	0.20		ES	HNS		SUB	SUB
WS1	0.20		ES	HMX		SUB	SUB
WS1	0.20		ES	NC		SUB	SUB
WS1	0.20		ES	NGLC		SUB	SUB
WS1	0.20		ES	PICA		SUB	SUB
WS1	0.20		ES	24DNT		SUB	SUB
WS1	0.20		ES	26DNT		SUB	SUB
WS1	0.20		ES	EGDN		SUB	SUB
WS1	0.20		ES	PCRT		SUB	SUB
WS1	0.20		ES	RDX		SUB	SUB
WS1	0.20		ES	TTRYL		SUB	SUB
WS1	0.20		ES	TNT		SUB	SUB
WS5	0.00		ES	26DNT		SUB	SUB
WS5	0.00		ES	EGDN		SUB	SUB
WS5	0.00		ES	HNS		SUB	SUB
WS5	0.00		ES	HMX		SUB	SUB
WS5	0.00		ES	NC		SUB	SUB
WS5	0.00		ES	24DNT		SUB	SUB
WS5	0.00		ES	NGLC		SUB	SUB
WS5	0.00		ES	PICA		SUB	SUB
WS5	0.00		ES	PCRT		SUB	SUB
WS5	0.00		ES	RDX		SUB	SUB
WS5	0.00		ES	TTRYL		SUB	SUB
WS5	0.00		ES	TNT		SUB	SUB
WS8	0.30		ES	EGDN		SUB	SUB
WS8	0.30		ES	HNS		SUB	SUB
WS8	0.30		ES	HMX		SUB	SUB
WS8	0.30		ES	NC		SUB	SUB
WS8	0.30		ES	NGLC		SUB	SUB
WS8	0.30		ES	24DNT		SUB	SUB
WS8	0.30		ES	26DNT		SUB	SUB
WS8	0.30		ES	PICA		SUB	SUB
WS8	0.30		ES	PCRT		SUB	SUB
WS8	0.30		ES	RDX		SUB	SUB
WS8	0.30		ES	TTRYL		SUB	SUB
WS8	0.30		ES	TNT		SUB	SUB
BH2	0.20		ES	NC		SUB	SUB
BH2	0.20		ES	NGLC		SUB	SUB
BH2	0.20		ES	PICA		SUB	SUB
BH2	0.20		ES	PCRT		SUB	SUB
BH2	0.20		ES	RDX		SUB	SUB
BH2	0.20		ES	24DNT		SUB	SUB
BH2	0.20		ES	26DNT		SUB	SUB
BH2	0.20		ES	EGDN		SUB	SUB
BH2	0.20		ES	HNS		SUB	SUB
BH2	0.20		ES	HMX		SUB	SUB
BH2	0.20		ES	TTRYL		SUB	SUB
BH2	0.20		ES	TNT		SUB	SUB

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Aliphatics & Aromatics >C10-44 (Unrecognised	mg/kg	10.0 - 100			111	<10	89.8	38.2	<10	<10	<10	<10	62.4	58.2	<10	61.2	<10	<10	<10	79.2	23.3	<10	594
Aliphatics >C5-10 (Unrecognised code)	mg/kg	0.050			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0734	0.102	0.0597	<0.05	0.0627	<0.05	<0.05	<0.05	<0.05	0.18
Aromatics >C5-10 (Unrecognised code)	mg/kg	0.050			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0551	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-chloroisopropyl)ether (TIC) (Unrecognised	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diphenyl Tin* (Unrecognised code)	mg/kg																	<0.02					<0.02
Monobutyl Tin* (Unrecognised code)	mg/kg																	<0.15					<0.15
Tetrabutyl tin* (Unrecognised code)	mg/kg																	<0.02					<0.02

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1		TP1		TP2			TP3			TP4	WS2a	WS3
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.3	0.6	0.7	1.2	0.2	0.6	0.8-1.0	0.3	0.8	1.8	0.5	0.3-0.5	0.3
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Aliphatics & Aromatics >C10-44 (Unrecognised	mg/kg	10.0 - 100			407	162	61.3	52.5	23.9	<10		1370	4080	435		1070	10.2	5550		727	151	10100	8310
Aliphatics >C5-10 (Unrecognised code)	mg/kg	0.050			0.294	0.142	<0.05	<0.05	<0.05	<0.05		<0.05	0.925	<0.05		<0.05	<0.05	0.113		<0.05	<0.05	46.3	8.06
Aromatics >C5-10 (Unrecognised code)	mg/kg	0.050			0.154	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	0.584	<0.05		<0.05	<0.05	0.0554		<0.05	<0.05	28.3	5.24
Bis(2-chloroisopropyl)ether (TIC) (Unrecognised	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.2		<0.1	<0.1	<0.1		<0.5	<0.1	<0.1	<0.5
Diphenyl Tin* (Unrecognised code)	mg/kg										<0.02				<0.02				<0.02			<0.02	<0.02
Monobutyl Tin* (Unrecognised code)	mg/kg										<0.15				<0.15				<0.15			<0.15	<0.15
Tetrabutyl tin* (Unrecognised code)	mg/kg										<0.02				<0.02				<0.02			<0.02	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS3		WS4		WS5		WS7A		
					1.0	1.4	0.4	0.8	0.0-0.2	0.5	0.1	0.6	1.3-1.5
				Depth (m bgl)	15/02/21	15/02/21			16/02/21	16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date									
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Aliphatics & Aromatics >C10-44 (Unrecognised	mg/kg	10.0 - 100			231	866	664	33.8	572	1600		<10	<10
Aliphatics >C5-10 (Unrecognised code)	mg/kg	0.050			0.313	0.0805	<0.05	<0.05	<0.05	<0.05		<0.05	0.0836
Aromatics >C5-10 (Unrecognised code)	mg/kg	0.050			0.188	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05
Bis(2-chloroisopropyl)ether (TIC) (Unrecognised	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.5	<0.5		<0.1	<0.1
Diphenyl Tin* (Unrecognised code)	mg/kg										<0.02		
Monobutyl Tin* (Unrecognised code)	mg/kg										<0.15		
Tetrabutyl tin* (Unrecognised code)	mg/kg										<0.02		

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Aliphatics and Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Aliphatic C05-C06	mg/kg	0.010 - 0.10	3,190		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0234	<0.01	<0.01	<0.01	0.0111	<0.01	<0.01	<0.01	<0.01	0.0809
Aliphatic C06-C08	mg/kg	0.010 - 0.10	7,780		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.016	0.0194	0.0191	<0.01	0.0185	<0.01	<0.01	<0.01	<0.01	0.0321
Aliphatic C08-C10	mg/kg	0.010 - 0.10	2,000		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.034	0.0827	0.0406	0.0232	0.0332	<0.01	<0.01	<0.01	<0.01	0.0666
Aliphatic C10-C12	mg/kg	1.00 - 10.0	9,690		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic C10-C44	mg/kg	5.00 - 50.0			45.8	<5	<5	<5	<5	<5	<5	<5	34.8	25.6	<5	9.05	<5	5.49	<5	44.4	8.87	<5	377
Aliphatic C12-C16	mg/kg	1.00 - 10.0	58,800		<1	<1	<1	<1	<1	<1	<1	<1	1.39	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.13
Aliphatic C16-C21	mg/kg	1.00 - 10.0			1.13	<1	<1	<1	<1	<1	<1	<1	8.06	6.5	<1	1.3	<1	3.9	<1	9.33	<1	<1	46.3
Aliphatic C21-C35	mg/kg	1.00 - 10.0			34.3	<1	1.75	1.87	<1	<1	<1	<1	12.5	17.2	<1	6.78	<1	1.05	<1	28.4	8.34	<1	252
Aliphatic C35-C44	mg/kg	1.00 - 10.0	1,580,000		10.3	<1	<1	<1	<1	<1	<1	<1	12.9	1.57	<1	<1	<1	<1	<1	6.01	<1	<1	77.6
Aromatic C06-C07	mg/kg	0.010 - 0.10			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C07-C08	mg/kg	0.010 - 0.10	56,100		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C08-C10	mg/kg	0.010 - 0.10	3,460		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0223	0.0551	0.0279	0.0151	0.0221	<0.01	<0.01	<0.01	<0.01	0.044
Aromatic C10-C12	mg/kg	1.00 - 10.0	16,200		<1	<1	3.24	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aromatic C10-C44	mg/kg	5.00 - 50.0			65.5	<5	88	35.5	<5	<5	<5	<5	27.6	32.6	<5	52.1	<5	<5	<5	34.9	14.4	<5	217
Aromatic C12-C16	mg/kg	1.00 - 10.0	36,200		<1	<1	2.82	<1	<1	<1	<1	<1	<1	<1	<1	2.29	<1	<1	<1	<1	<1	<1	2.13
Aromatic C16-C21	mg/kg	1.00 - 10.0	28,200		3.7	<1	28.5	8.3	<1	<1	<1	<1	3.22	4.58	<1	16.2	<1	<1	<1	5.15	3.23	<1	10.2

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Aliphatics and Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Aliphatic C05-C06	mg/kg	0.010 - 0.10	3,190		0.0198	0.0415	<0.01	<0.01	<0.01	<0.01	<0.01	0.0136	<0.01	0.0192	<0.01	<0.01	<0.01	<0.01	0.704	0.0644	<0.01	<0.01	<0.01
Aliphatic C06-C08	mg/kg	0.010 - 0.10	7,780		0.0434	0.0281	<0.01	<0.01	<0.01	<0.01	0.0112	0.0347	<0.01	<0.01	<0.01	0.0305	<0.01	<0.01	3.16	0.185	0.0325	0.015	<0.01
Aliphatic C08-C10	mg/kg	0.010 - 0.10	2,000		0.231	0.072	<0.01	<0.01	<0.01	<0.01	0.026	0.877	0	0.0136	<0.01	0.0825	<0.01	<0.01	42.5	7.81	0.281	0.0656	<0.01
Aliphatic C10-C12	mg/kg	1.00 - 10.0	9,690		9.4	<1	<1	<1	<1	<1	1.77	3.89	<1	<1	<1	2.37	<1	<1	367	67.9	5.72	<10	<1
Aliphatic C10-C44	mg/kg	5.00 - 50.0			234	98.5	29	28.4	18.4	<5	502	3440	137	268	<5	5060	470	129	7610	5410	143	213	660
Aliphatic C12-C16	mg/kg	1.00 - 10.0	58,800		34.1	4.52	<1	<1	1.05	<1	9.41	80.7	3.99	8.67	<1	149	36.3	12.7	1800	216	35.7	<10	<1
Aliphatic C16-C21	mg/kg	1.00 - 10.0			40.8	14.7	<1	1.92	4	<1	167	837	29.4	129	<1	2730	308	60.2	3210	1800	68.1	<10	<1
Aliphatic C21-C35	mg/kg	1.00 - 10.0			93.2	58.9	23.3	21.6	13.3	<1	241	1890	74.3	89	1.13	2100	124	53.5	2160	2730	30.9	89.6	527
Aliphatic C35-C44	mg/kg	1.00 - 10.0	1,580,000		56.9	20.4	5.64	4.91	<1	<1	83.3	625	29.1	41.3	<1	77.6	<1	3	75.5	595	3.11	118	132
Aromatic C06-C07	mg/kg	0.010 - 0.10			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01
Aromatic C07-C08	mg/kg	0.010 - 0.10	56,100		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	0.0363	<0.01	<0.01	<0.01
Aromatic C08-C10	mg/kg	0.010 - 0.10	3,460		0.154	0.0476	<0.01	<0.01	<0.01	<0.01	0.0174	0.584	<0.01	<0.01	<0.01	0.0554	<0.01	<0.01	28.3	5.21	0.188	0.0437	<0.01
Aromatic C10-C12	mg/kg	1.00 - 10.0	16,200		<1	<1	<1	<1	<1	<1	<1	2.54	<1	<1	<1	<1	<1	<1	94	64	<1	<10	<1
Aromatic C10-C44	mg/kg	5.00 - 50.0			173	63.2	32.3	24.1	5.55	<5	867	644	298	805	8.73	490	258	21.7	2520	2900	87.1	653	<5
Aromatic C12-C16	mg/kg	1.00 - 10.0	36,200		13.1	4.14	<1	<1	<1	<1	2.65	40.5	13.9	6.05	<1	24.4	<1	<1	1310	142	27.9	<10	<1
Aromatic C16-C21	mg/kg	1.00 - 10.0	28,200		34.8	17.1	3.45	3.25	<1	<1	26.2	90.9	77.8	13.4	1.8	31.1	14.4	<1	551	596	12.6	56	<1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Aliphatics and Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Aliphatic C05-C06	mg/kg	0.010 - 0.10	3,190		<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C06-C08	mg/kg	0.010 - 0.10	7,780		<0.01	<0.01	<0.01	<0.01	0.0187
Aliphatic C08-C10	mg/kg	0.010 - 0.10	2,000		<0.01	0.0215	0.018	<0.01	0.0649
Aliphatic C10-C12	mg/kg	1.00 - 10.0	9,690		<1	<5	<1	<1	<1
Aliphatic C10-C44	mg/kg	5.00 - 50.0			32.2	27.9	140	<5	<5
Aliphatic C12-C16	mg/kg	1.00 - 10.0	58,800		<1	<5	2.28	<1	<1
Aliphatic C16-C21	mg/kg	1.00 - 10.0			<1	<5	45.4	<1	<1
Aliphatic C21-C35	mg/kg	1.00 - 10.0			25.7	23.7	86.1	<1	<1
Aliphatic C35-C44	mg/kg	1.00 - 10.0	1,580,000		6.47	<5	5.38	<1	<1
Aromatic C06-C07	mg/kg	0.010 - 0.10			<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C07-C08	mg/kg	0.010 - 0.10	56,100		<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C08-C10	mg/kg	0.010 - 0.10	3,460		<0.01	0.0147	0.012	<0.01	0.0429
Aromatic C10-C12	mg/kg	1.00 - 10.0	16,200		<1	<5	<1	<1	<1
Aromatic C10-C44	mg/kg	5.00 - 50.0			<5	544	1460	6.04	<5
Aromatic C12-C16	mg/kg	1.00 - 10.0	36,200		<1	<5	6.36	<1	<1
Aromatic C16-C21	mg/kg	1.00 - 10.0	28,200		<1	60.4	47.2	1.03	<1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Aliphatics and Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Aromatic C21-C35	mg/kg	1.00 - 10.0	28,400		54.3	<1	47.3	24.8	<1	1.67	<1	<1	22	25.7	<1	31.5	<1	2.79	<1	26.2	10.2	<1	195
Aromatic C35-C44	mg/kg	1.00 - 10.0	28,400		7.54	<1	6.13	2.09	<1	<1	<1	<1	2.12	2.34	<1	1.82	<1	<1	<1	3.4	<1	<1	9.5
Aromatic C40-C44	mg/kg	1.00 - 10.0			<1	<1	1.08	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	4.09
Total Aliphatics and Aromatics (C5-C44)	mg/kg	10.0			111	<10	88	35.5	<10	<10	<10	<10	62.4	58.3	<10	61.2	<10	<10	<10	79.2	23.3	<10	594

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Aliphatics and Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Aromatic C21-C35	mg/kg	1.00 - 10.0	28,400		112	39.4	25.3	19.3	3.2	<1	791	496	184	773	5.78	427	195	20.2	496	1950	41.3	517	2.32
Aromatic C35-C44	mg/kg	1.00 - 10.0	28,400		11.9	2.64	3.48	1.53	<1	<1	46.4	13.7	21.8	12.6	<1	7.9	47.2	<1	69.7	140	4.51	78.3	<1
Aromatic C40-C44	mg/kg	1.00 - 10.0			2.17	<1	<1	<1	<1	<1	29.1	1.54	3.94	4.68	<1	1.01	11.4	<1	15	66.2	<1	20	<1
Total Aliphatics and Aromatics (C5-C44)	mg/kg	10.0			408	162	61.3	52.5	23.9	<10	1370	4080	435	1070	<10	5550	727	151	10200	8320	231	866	660

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Aliphatics and Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Aromatic C21-C35	mg/kg	1.00 - 10.0	28,400		<1	403	1020	4.02	<1
Aromatic C35-C44	mg/kg	1.00 - 10.0	28,400		<1	77	390	<1	<1
Aromatic C40-C44	mg/kg	1.00 - 10.0			<1	13.2	7.32	<1	<1
Total Aliphatics and Aromatics (C5-C44)	mg/kg	10.0			32.2	572	1600	<10	<10

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Alkali and Alkaline Earth Metals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3		BH4		BH5			BH7		BH8	
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	0.6	1.0	0.6	0.9	3.0	0.2	1.1	0.3-0.5	0.6-0.8
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21	02/03/21	19/02/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive
Barium	mg/kg	0.60 - 6.00	22,100		205	11.5	15.3	22.3	20.6	48	23.2	31.9	29.4	26.5	29.7	23	39.5	27.7	66.7	284	136	87.3	75.2
Beryllium	mg/kg	0.010 - 0.10	12.0		0.853	0.483	0.101	0.121	0.129	0.533	0.627	0.446	0.148	0.198	0.221	0.574	0.252	0.106	0.319	0.363	0.518	0.312	0.263

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Alkali and Alkaline Earth Metals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4		WS5		WS7A
					0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4	0.8	0.0-0.2	0.5	0.6
				Depth (m bgl)	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21			16/02/21	16/02/21	16/02/21
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular
Barium	mg/kg	0.60 - 6.00	22,100		45.7	7.29	284	193	121	120	207	83.2	111	21.5	22.1	869	24.1	157	197	18.7	98.5	127	76
Beryllium	mg/kg	0.010 - 0.10	12.0		0.635	0.128	0.171	0.0562	<0.01	0.158	1.44	0.336	0.611	0.208	0.297	<0.1	0.116	0.451	2.48	0.335	0.223	0.0182	0.0815

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Alkali and Alkaline Earth Metals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID: WS7A
				Depth (m bgl): 1.3-1.5
				Sample Date: 16/02/21
				Geology (at top depth of sample): Made Ground Granular
Barium	mg/kg	0.60 - 6.00	22,100	27.2
Beryllium	mg/kg	0.010 - 0.10	12.0	0.0799

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Asbestos

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH10	HP1	TP2	TP3	WS3			WS5
					0.8	0.6	0.6	1.8	0.3	1.0	1.4	0.0-0.2
				Depth (m bgl)	19/02/21	12/03/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	16/02/21
				Sample Date								
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular
Additional Asbestos Components using TM048	No units											
Asbestos Quantification Comments	No units											
Asbestos Quantification - Gravimetric	%	0.001			<0.001	0.0024	<0.001	<0.001	0.0012	0.005	<0.001	<0.001
Asbestos Quantification - PCM Evaluation	%	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Asbestos Quantification - Total %	%	0.001			<0.001	0.003	<0.001	<0.001	0.0012	0.005	<0.001	<0.001

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

BTEX and Fuel Additives

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
1,2,4-Trimethylbenzene	mg/kg	0.090	611										<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09				
1,3,5-Trimethylbenzene	mg/kg	0.080	611										<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08				
Benzene	mg/kg	0.090	27.0		<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
BTEX	mg/kg	0.40			<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	mg/kg	0.040	5,710		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Methyl t-butylether (MTBE)	mg/kg	0.10	7,480		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tertiary Amyl Methyl Ether (TAME)	mg/kg	0.10											<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Toluene	mg/kg	0.070	56,300		<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Xylene	mg/kg	0.20	5,920		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene - Total (Summed)	mg/kg	-999	5,920		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Xylene-m & p	mg/kg	0.10	5,920		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylene-o	mg/kg	0.10	5,920		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

BTEX and Fuel Additives

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
1,2,4-Trimethylbenzene	mg/kg	0.090	611								<0.09	<0.09	<0.09						<0.09	0.191	<0.09	<0.09	
1,3,5-Trimethylbenzene	mg/kg	0.080	611								<0.08	<0.08	<0.08						0.634	<0.08	<0.08	<0.08	
Benzene	mg/kg	0.090	27.0		<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
BTEX	mg/kg	0.40			<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	0.594	<0.4	<0.4	<0.4
Ethylbenzene	mg/kg	0.040	5,710		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.103	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Methyl t-butylether (MTBE)	mg/kg	0.10	7,480		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tertiary Amyl Methyl Ether (TAME)	mg/kg	0.10									<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Toluene	mg/kg	0.070	56,300		<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Xylene	mg/kg	0.20	5,920		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.276	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.594	<0.2	<0.2	<0.2
Xylene - Total (Summed)	mg/kg	-999	5,920		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.276	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.595	0.1	0.1	0.1
Xylene-m & p	mg/kg	0.10	5,920		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.276	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.164	<0.1	<0.1	<0.1
Xylene-o	mg/kg	0.10	5,920		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.431	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

BTEX and Fuel Additives

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
1,2,4-Trimethylbenzene	mg/kg	0.090	611					<0.09	<0.09
1,3,5-Trimethylbenzene	mg/kg	0.080	611					<0.08	<0.08
Benzene	mg/kg	0.090	27.0		<0.09	<0.09	<0.09	<0.09	<0.09
BTEX	mg/kg	0.40			<0.4	<0.4	<0.4	<0.4	<0.4
Ethylbenzene	mg/kg	0.040	5,710		<0.04	<0.04	<0.04	<0.04	<0.04
Methyl t-butylether (MTBE)	mg/kg	0.10	7,480		<0.1	<0.1	<0.1	<0.1	<0.1
Tertiary Amyl Methyl Ether (TAME)	mg/kg	0.10						<0.1	<0.1
Toluene	mg/kg	0.070	56,300		<0.07	<0.07	<0.07	<0.07	<0.07
Xylene	mg/kg	0.20	5,920		<0.2	<0.2	<0.2	<0.2	<0.2
Xylene - Total (Summed)	mg/kg	-999	5,920		0.1	0.1	0.1	0.1	0.1
Xylene-m & p	mg/kg	0.10	5,920		<0.1	<0.1	<0.1	<0.1	<0.1
Xylene-o	mg/kg	0.10	5,920		<0.1	<0.1	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aliphatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
				Geology (at top depth of sample)																			
1,1,1,2-Tetrachloroethane	mg/kg	0.10	108										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,1,1-Trichloroethane	mg/kg	0.070	1,580										<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07				
1,1,2,2-Tetrachloroethane	mg/kg	0.10	274										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,1,2-Trichloroethane	mg/kg	0.10	89.0										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,1-Dichloroethane	mg/kg	0.080	263										<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08				
1,1-Dichloroethene	mg/kg	0.10	24.0										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,1-Dichloropropene	mg/kg	0.10											<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,2,3-Trichloropropane	mg/kg	0.16											<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16				
1,2-Dichloroethane	mg/kg	0.050	0.67										<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
1,2-Dichloropropane	mg/kg	0.10	3.10										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,3-Dichloropropane	mg/kg	0.070											<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07				
2,2-Dichloropropane	mg/kg	0.10											<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Carbon tetrachloride	mg/kg	0.10	31.0										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Chloroethane	mg/kg	0.10	904										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Chloroform	mg/kg	0.080	99.0										<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08				
Chloromethane	mg/kg	0.070	0.96										<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07				

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aliphatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
1,1,1,2-Tetrachloroethane	mg/kg	0.10	108								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
1,1,1-Trichloroethane	mg/kg	0.070	1,580								<0.07	<0.07	<0.07						<0.07	<0.07	<0.07	<0.07	
1,1,2,2-Tetrachloroethane	mg/kg	0.10	274								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
1,1,2-Trichloroethane	mg/kg	0.10	89.0								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
1,1-Dichloroethane	mg/kg	0.080	263								<0.08	<0.08	<0.08						<0.08	<0.08	<0.08	<0.08	
1,1-Dichloroethene	mg/kg	0.10	24.0								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
1,1-Dichloropropene	mg/kg	0.10									<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
1,2,3-Trichloropropane	mg/kg	0.16									<0.16	<0.16	<0.16						<0.16	<0.16	<0.16	<0.16	
1,2-Dichloroethane	mg/kg	0.050	0.67								<0.05	<0.05	<0.05						<0.05	<0.05	<0.05	<0.05	
1,2-Dichloropropane	mg/kg	0.10	3.10								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
1,3-Dichloropropane	mg/kg	0.070									<0.07	<0.07	<0.07						<0.07	<0.07	<0.07	<0.07	
2,2-Dichloropropane	mg/kg	0.10									<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Carbon tetrachloride	mg/kg	0.10	31.0								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Chloroethane	mg/kg	0.10	904								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Chloroform	mg/kg	0.080	99.0								<0.08	<0.08	<0.08						<0.08	<0.08	<0.08	<0.08	
Chloromethane	mg/kg	0.070	0.96								<0.07	<0.07	<0.07						<0.07	<0.07	<0.07	<0.07	

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aliphatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
				Depth (m bgl)	0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Sample Date		16/02/21	16/02/21	16/02/21	16/02/21
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
1,1,1,2-Tetrachloroethane	mg/kg	0.10	108					<0.1	<0.1
1,1,1-Trichloroethane	mg/kg	0.070	1,580					<0.07	<0.07
1,1,2,2-Tetrachloroethane	mg/kg	0.10	274					<0.1	<0.1
1,1,2-Trichloroethane	mg/kg	0.10	89.0					<0.1	<0.1
1,1-Dichloroethane	mg/kg	0.080	263					<0.08	<0.08
1,1-Dichloroethene	mg/kg	0.10	24.0					<0.1	<0.1
1,1-Dichloropropene	mg/kg	0.10						<0.1	<0.1
1,2,3-Trichloropropane	mg/kg	0.16						<0.16	<0.16
1,2-Dichloroethane	mg/kg	0.050	0.67					<0.05	<0.05
1,2-Dichloropropane	mg/kg	0.10	3.10					<0.1	<0.1
1,3-Dichloropropane	mg/kg	0.070						<0.07	<0.07
2,2-Dichloropropane	mg/kg	0.10						<0.1	<0.1
Carbon tetrachloride	mg/kg	0.10	31.0					<0.1	<0.1
Chloroethane	mg/kg	0.10	904					<0.1	<0.1
Chloroform	mg/kg	0.080	99.0					<0.08	<0.08
Chloromethane	mg/kg	0.070	0.96					<0.07	<0.07

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aliphatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
				Geology (at top depth of sample)																			
Cis 1,2-Dichloroethene	mg/kg	0.060	14.0										<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06				
Cis 1,3-Dichloropropene	mg/kg	0.10											<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Dichloromethane	mg/kg	0.10	257										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Hexachlorobutadiene	mg/kg	0.10 - 0.50	31.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	mg/kg	0.10 - 0.50	21.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene (PCE)	mg/kg	0.050	19.0										<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Trans-1,2-Dichloroethene	mg/kg	0.10	21.0										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Trans-1,3-Dichloropropene	mg/kg	0.10											<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Trichloroethene (TCE)	mg/kg	0.090	1.20										<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09				
Vinyl chloride	mg/kg	0.060	0.059										<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06				

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aliphatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Cis 1,2-Dichloroethene	mg/kg	0.060	14.0								<0.06	<0.06	<0.06						<0.06	<0.06	<0.06	<0.06	
Cis 1,3-Dichloropropene	mg/kg	0.10									<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Dichloromethane	mg/kg	0.10	257								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Hexachlorobutadiene	mg/kg	0.10 - 0.50	31.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1
Hexachloroethane	mg/kg	0.10 - 0.50	21.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Tetrachloroethene (PCE)	mg/kg	0.050	19.0								<0.05	<0.05	<0.05						<0.05	<0.05	<0.05	<0.05	
Trans-1,2-Dichloroethene	mg/kg	0.10	21.0								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Trans-1,3-Dichloropropene	mg/kg	0.10									<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Trichloroethene (TCE)	mg/kg	0.090	1.20								<0.09	<0.09	<0.09						<0.09	<0.09	<0.09	<0.09	
Vinyl chloride	mg/kg	0.060	0.059								<0.06	<0.06	<0.06						<0.06	<0.06	<0.06	<0.06	

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aliphatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Cis 1,2-Dichloroethene	mg/kg	0.060	14.0					<0.06	<0.06
Cis 1,3-Dichloropropene	mg/kg	0.10						<0.1	<0.1
Dichloromethane	mg/kg	0.10	257					<0.1	<0.1
Hexachlorobutadiene	mg/kg	0.10 - 0.50	31.0		<0.1	<0.5	<0.5	<0.1	<0.1
Hexachloroethane	mg/kg	0.10 - 0.50	21.0		<0.1	<0.5	<0.5	<0.1	<0.1
Tetrachloroethene (PCE)	mg/kg	0.050	19.0					<0.05	<0.05
Trans-1,2-Dichloroethene	mg/kg	0.10	21.0					<0.1	<0.1
Trans-1,3-Dichloropropene	mg/kg	0.10						<0.1	<0.1
Trichloroethene (TCE)	mg/kg	0.090	1.20					<0.09	<0.09
Vinyl chloride	mg/kg	0.060	0.059					<0.06	<0.06

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
1,2,3-Trichlorobenzene	mg/kg	0.20	102										<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
1,2,4-Trichlorobenzene	mg/kg	0.10 - 0.50	265		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	mg/kg	0.10 - 0.50	2,020		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3,5-Trichlorobenzene	mg/kg	0.20	22.0										<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
1,3-Dichlorobenzene	mg/kg	0.080 - 0.50	30.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	mg/kg	0.050 - 0.50	584		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1
2-Chlorotoluene	mg/kg	0.090											<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09				
4-Chlorotoluene	mg/kg	0.10											<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Chlorobenzene	mg/kg	0.050	58.0										<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Hexachlorobenzene	mg/kg	0.10 - 0.50	105		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
1,2,3-Trichlorobenzene	mg/kg	0.20	102								<0.2	<0.2	<0.2						<0.2	<0.2	<0.2	<0.2	
1,2,4-Trichlorobenzene	mg/kg	0.10 - 0.50	265		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	mg/kg	0.10 - 0.50	2,020		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3,5-Trichlorobenzene	mg/kg	0.20	22.0								<0.2	<0.2	<0.2						<0.2	<0.2	<0.2	<0.2	
1,3-Dichlorobenzene	mg/kg	0.080 - 0.50	30.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.08	<0.08	<0.08	<0.1	<0.1	<0.1	<0.5	<0.1	<0.08	<0.08	<0.08	<0.08	<0.1
1,4-Dichlorobenzene	mg/kg	0.050 - 0.50	584		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.5	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1
2-Chlorotoluene	mg/kg	0.090									<0.09	<0.09	<0.09						<0.09	<0.09	<0.09	<0.09	
4-Chlorotoluene	mg/kg	0.10									<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	
Chlorobenzene	mg/kg	0.050	58.0								<0.05	<0.05	<0.05						<0.05	<0.05	<0.05	<0.05	
Hexachlorobenzene	mg/kg	0.10 - 0.50	105		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
1,2,3-Trichlorobenzene	mg/kg	0.20	102					<0.2	<0.2
1,2,4-Trichlorobenzene	mg/kg	0.10 - 0.50	265		<0.1	<0.5	<0.5	<0.1	<0.1
1,2-Dichlorobenzene	mg/kg	0.10 - 0.50	2,020		<0.1	<0.5	<0.5	<0.1	<0.1
1,3,5-Trichlorobenzene	mg/kg	0.20	22.0					<0.2	<0.2
1,3-Dichlorobenzene	mg/kg	0.080 - 0.50	30.0		<0.1	<0.5	<0.5	<0.08	<0.08
1,4-Dichlorobenzene	mg/kg	0.050 - 0.50	584		<0.1	<0.5	<0.5	<0.05	<0.05
2-Chlorotoluene	mg/kg	0.090						<0.09	<0.09
4-Chlorotoluene	mg/kg	0.10						<0.1	<0.1
Chlorobenzene	mg/kg	0.050	58.0					<0.05	<0.05
Hexachlorobenzene	mg/kg	0.10 - 0.50	105		<0.1	<0.5	<0.5	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Phenols

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2,4,5-Trichlorophenol	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-Methlphenol	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophenols - Total (Summed Isomers)	mg/kg	-999	2,700		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Phenols

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2,4,5-Trichlorophenol	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
2,4-Dichlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
2-Chlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
4-Chloro-3-Methlphenol	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Chlorophenols - Total (Summed Isomers)	mg/kg	-999	2,700		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.5	0.1	0.1	0.5	0.1	0.1	0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Phenols

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
2,4,5-Trichlorophenol	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
2,4,6-Trichlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.5	<0.5	<0.1	<0.1
2,4-Dichlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.5	<0.5	<0.1	<0.1
2-Chlorophenol	mg/kg	0.10 - 0.50	2,700		<0.1	<0.5	<0.5	<0.1	<0.1
4-Chloro-3-Methlphenol	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Chlorophenols - Total (Summed Isomers)	mg/kg	-999	2,700		0.1	0.5	0.5	0.1	0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Dioxins and Furans

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Dibenzofuran	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.19

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Dioxins and Furans

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Dibenzofuran	mg/kg	0.10 - 0.50			0.168	<0.1	<0.1	<0.1	<0.1	<0.1	0.149	0.67	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	1.32	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Dioxins and Furans

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Dibenzofuran	mg/kg	0.10 - 0.50			<0.1	0.599	<0.5	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Dyes

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
3-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Dyes

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
3-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
4-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Dyes

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
3-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
4-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Explosives

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2,4-Dinitrotoluene	mg/kg	0.10 - 1.00	3,720		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	mg/kg	0.10 - 1.00	1,850		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol Dinitrate	mg/kg	1.00								<1													
Hexanitrostilbene	mg/kg	0.50								<0.5													
HMX	mg/kg	2.00	107,000							<2													
Nitrocellulose	mg/kg									<5000													
Nitroglycerine	mg/kg	1.00								<1													
Nitroguanidine	mg/kg	0.25								<0.25													
Pentarythritol	mg/kg	5.00								<5													
Picric Acid	mg/kg	0.10								<0.1													
RDX	mg/kg	2.00	212,000							<2													
Tetryl	mg/kg	1.00								<1													
Trinitrotoluene	mg/kg	0.10	1,040							<0.1													

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Explosives

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1			TP2		TP3		TP4	WS1	WS2a	WS3	
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.1	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.2	0.3-0.5	0.3	1.0
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive
2,4-Dinitrotoluene	mg/kg	0.10 - 1.00	3,720		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<1	<0.1	<0.5	<0.1
2,6-Dinitrotoluene	mg/kg	0.10 - 1.00	1,850		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<1	<0.1	<0.5	<0.1
Ethylene Glycol Dinitrate	mg/kg	1.00										<1								<1			
Hexanitrostilbene	mg/kg	0.50										<0.5								<0.5			
HMX	mg/kg	2.00	107,000									<2								<2			
Nitrocellulose	mg/kg											<5000								<5000			
Nitroglycerine	mg/kg	1.00										<1								<1			
Nitroguanidine	mg/kg	0.25										<0.25								<0.25			
Pentarythritol	mg/kg	5.00										<5								<5			
Picric Acid	mg/kg	0.10										<0.1								<0.1			
RDX	mg/kg	2.00	212,000									<2								<2			
Tetryl	mg/kg	1.00										<1								<1			
Trinitrotoluene	mg/kg	0.10	1,040									<0.1								0.2			

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Explosives

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS3	WS4		WS5		WS7A		WS8
					1.4	0.4	0.8	0.0-0.2	0.5	0.6	1.3-1.5	0.3-0.6
				Depth (m bgl)	15/02/21			16/02/21	16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date								
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
2,4-Dinitrotoluene	mg/kg	0.10 - 1.00	3,720		<0.1	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1	<1
2,6-Dinitrotoluene	mg/kg	0.10 - 1.00	1,850		<0.1	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1	<1
Ethylene Glycol Dinitrate	mg/kg	1.00						<1				<1
Hexanitrostilbene	mg/kg	0.50						<0.5				<0.5
HMX	mg/kg	2.00	107,000					<2				<2
Nitrocellulose	mg/kg							<5000				<5000
Nitroglycerine	mg/kg	1.00						<1				<1
Nitroguanidine	mg/kg	0.25						<0.25				<0.25
Pentarythritol	mg/kg	5.00						<5				<5
Picric Acid	mg/kg	0.10						<0.1				<0.1
RDX	mg/kg	2.00	212,000					<2				<2
Tetryl	mg/kg	1.00						<1				<1
Trinitrotoluene	mg/kg	0.10	1,040					<0.1				<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

General Chemistry

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3		BH4		BH5			BH7		BH8	
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	0.6	1.0	0.6	0.9	3.0	0.2	1.1	0.3-0.5	0.6-0.8
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21	02/03/21	19/02/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive
pH	pH Units	1.00			8.09	10.3	8.63	8.73	9.73	9.09	8.31	8.87	9.65	11.5	9.73	9.4	10.1	10.3	8.7	8.54	8.34	8.65	8.8

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

General Chemistry

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4		WS5		WS7A
					0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4	0.8	0.0-0.2	0.5	0.6
				Depth (m bgl)	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21			16/02/21	16/02/21	16/02/21
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular
pH	pH Units	1.00			10.7	9.22	8.2	8.49	8.58	8.23	8.78	8.3	8.55	8.94	11.6	8.1	8.92	9.13	8.34	8.88	9.16	8.73	10.3

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

General Chemistry

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS7A
					1.3-1.5
				Depth (m bgl)	16/02/21
				Sample Date	
				Geology (at top depth of sample)	Made Ground Granular
pH	pH Units	1.00			8.72

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Halogonated Hydrocarbons

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH3					BH4		HP1	TP1		WS2a	WS3			WS7A	
					0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.7	1.2	0.3-0.5	0.3	1.0	1.4	0.6	1.3-1.5
				Depth (m bgl)	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21	12/03/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	16/02/21	16/02/21
				Sample Date																
				Geology (at top depth of sample)	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Granular
1,2-Dibromo-3-Chloropropane	mg/kg	0.14			<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
1,2-Dibromoethane	mg/kg	0.10			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromobenzene	mg/kg	0.10	91.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	mg/kg	0.10			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	mg/kg	0.070	2.00		<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Bromoform	mg/kg	0.10	714		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromomethane	mg/kg	0.10			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibromochloromethane	mg/kg	0.10			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibromomethane	mg/kg	0.090			<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
Dichlorodifluoromethane	mg/kg	0.060			<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Trichlorofluoromethane	mg/kg	0.060			<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Inorganics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3		BH4		BH5			BH7		BH8	
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	0.6	1.0	0.6	0.9	3.0	0.2	1.1	0.3-0.5	0.6-0.8
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21	02/03/21	19/02/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive
Cyanide (Total)	mg/kg	1.00			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.04	<1	<1	<1
Exchangeable Ammonium	mg/kg	15.0			<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Sulphate as SO4	mg/kg	48.0			453	1050	342	341	217	171	221	231	630	1040	329	424	361	703	575	1210	995	720	654

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Inorganics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4		WS5		WS7A
					0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4	0.8	0.0-0.2	0.5	0.6
				Depth (m bgl)	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21			16/02/21	16/02/21	16/02/21
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular
Cyanide (Total)	mg/kg	1.00			<1	<1	2.08	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Exchangeable Ammonium	mg/kg	15.0			<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Sulphate as SO4	mg/kg	48.0			198	<48	1510	2110	409	692	1110	6980	2560	505	4620	1520	712	1170	721	1620	1660	961	910

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Inorganics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS7A
					1.3-1.5
				Depth (m bgl)	16/02/21
				Sample Date	
				Geology (at top depth of sample)	Made Ground Granular
Cyanide (Total)	mg/kg	1.00			<1
Exchangeable Ammonium	mg/kg	15.0			<15
Sulphate as SO4	mg/kg	48.0			478

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Ketones

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Isophorone	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Ketones

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Isophorone	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Ketones

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Isophorone	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Metals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3		BH4		BH5			BH7		BH8	
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	0.6	1.0	0.6	0.9	3.0	0.2	1.1	0.3-0.5	0.6-0.8
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21	02/03/21	19/02/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive
Arsenic	mg/kg	0.60 - 6.00	635		14.3	12.8	1.09	6.17	2.76	12.1	8.12	4.24	2.51	3.6	16.7	14.7	6.27	2.28	10.2	11.1	10.7	9.04	9.03
Boron	mg/kg	1.00	207,000		1.67	3.5	<1	<1	2.28	1.45	1.7	2.27	<1	1.09	1.6	1.4	1.33	<1	1.26	<1	1.93	<1	<1
Cadmium	mg/kg	0.020 - 0.20	223		0.442	<0.02	0.298	0.0271	0.457	0.0521	<0.02	0.298	0.257	<0.02	<0.02	<0.02	0.308	0.488	<0.02	0.89	0.463	0.491	0.333
Chromium	mg/kg	0.90 - 9.00			22.3	9.8	1.67	6.84	5.34	21.4	23.1	13.9	4.11	4.35	10.6	14.5	9.39	3.66	13.7	30.5	12.8	15.2	12.6
Copper	mg/kg	1.40 - 140	69,800		69	25.5	3.54	5.33	5.61	21	11	7.13	6.61	4.26	21.1	31.4	20.9	5.55	23.6	123	72.9	40.6	29.1
Hexavalent Chromium	mg/kg	0.60 - 1.20	24.0		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Lead	mg/kg	0.70 - 7.00	1,390		273	12	10	34.4	10.8	52.6	16.3	3.95	24.5	22.8	16.5	23	88.2	16.3	394	314	115	91.7	133
Mercury	mg/kg	0.10 - 1.00	1,110		0.245	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.699	0.115	<0.1	<0.1	<0.1
Nickel	mg/kg	0.20 - 2.00	1,710		19.6	10.4	2.34	5.88	5.98	19.3	17.2	23.4	3.72	4.57	12.9	13.4	15.1	2.76	13	23.3	13.2	13	12.6
Selenium	mg/kg	1.00 - 10.0	12,300		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	0.20 - 2.00	9,220		45.1	30	3.67	14.6	10.4	42.2	45.4	21.5	7.16	8.52	26.2	32.3	14.7	5.86	26.1	19.7	22.3	23	22.9
Zinc	mg/kg	1.90 - 190	1,050,000		389	74.2	16.8	25.6	25.7	83.6	56.3	39.2	31.5	26.4	31.5	41.2	72.7	80.9	56.8	451	146	129	92.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Metals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4		WS5		WS7A
					0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4	0.8	0.0-0.2	0.5	0.6
				Depth (m bgl)	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21			16/02/21	16/02/21	16/02/21
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular
Arsenic	mg/kg	0.60 - 6.00	635		14.6	13.6	42.4	40	22.6	13	17.1	14.7	6.62	6.71	9.52	42.3	4.32	8.51	23.2	11.2	6.78	14.2	9.85
Boron	mg/kg	1.00	207,000		<1	<1	2.72	4.27	2.3	1.08	10.1	1.1	1.79	<1	2.46	1.05	2.27	1.48	<1	<1	<1	1.85	1.44
Cadmium	mg/kg	0.020 - 0.20	223		<0.02	<0.02	1.37	3.24	1.12	0.759	<0.02	0.0206	0.858	<0.02	<0.02	1.78	0.0504	0.26	0.0391	<0.02	0.671	1.22	0.278
Chromium	mg/kg	0.90 - 9.00			6.48	7.08	145	69	18.7	16.9	11.6	10.3	16.1	4.46	6.28	146	2.75	13.7	20.3	7.06	15.7	27	9.3
Copper	mg/kg	1.40 - 140	69,800		69.9	3.15	306	283	321	158	59.9	55	103	18.2	5.69	15700	35.8	32.8	258	6.79	69.5	115	24.1
Hexavalent Chromium	mg/kg	0.60 - 1.20	24.0		<0.6	<0.6	<0.6	<1.2	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	3.34	<0.6	<0.6	<0.6	<0.6	<0.6	1.72	<0.6
Lead	mg/kg	0.70 - 7.00	1,390		7.48	6.27	829	356	208	157	227	41.3	164	21.7	160	607	25.8	152	119	18.7	172	362	110
Mercury	mg/kg	0.10 - 1.00	1,110		<0.1	<0.1	0.322	1.32	0.237	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	0.144	<0.1
Nickel	mg/kg	0.20 - 2.00	1,710		12	9.01	136	59.9	20.6	16.8	25.2	10.6	22.2	4.91	10.5	153	3.7	9.22	44.3	9.22	14.1	22.6	14.1
Selenium	mg/kg	1.00 - 10.0	12,300		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	0.20 - 2.00	9,220		42.9	26.2	298	17.3	23.7	20.1	40.5	19	23.3	12.4	15.7	16.4	7.62	27.2	116	29.3	13.8	15.4	14.4
Zinc	mg/kg	1.90 - 190	1,050,000		14.5	13.7	921	584	408	300	279	110	198	46.3	32.5	8770	44.8	130	209	33	265	445	99.2

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Metals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS7A
					1.3-1.5
				Depth (m bgl)	16/02/21
				Sample Date	
				Geology (at top depth of sample)	Made Ground Granular
Arsenic	mg/kg	0.60 - 6.00	635		2.68
Boron	mg/kg	1.00	207,000		3.31
Cadmium	mg/kg	0.020 - 0.20	223		0.21
Chromium	mg/kg	0.90 - 9.00			3.81
Copper	mg/kg	1.40 - 140	69,800		7.84
Hexavalent Chromium	mg/kg	0.60 - 1.20	24.0		<0.6
Lead	mg/kg	0.70 - 7.00	1,390		35.5
Mercury	mg/kg	0.10 - 1.00	1,110		<0.1
Nickel	mg/kg	0.20 - 2.00	1,710		3.91
Selenium	mg/kg	1.00 - 10.0	12,300		<1
Vanadium	mg/kg	0.20 - 2.00	9,220		6.89
Zinc	mg/kg	1.90 - 190	1,050,000		34.8

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Other

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2-Chloronaphthalene	mg/kg	0.10 - 0.50	370		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Bromophenylphenyl ether	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorophenyl phenyl ether	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azobenzene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis (2-chloroethoxy) methane	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis (2-chloroethyl) ether	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbazole	mg/kg	0.10 - 0.50			<0.1	<0.1	0.148	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.274
Carbon Disulphide	mg/kg	0.070	11.0										<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07				
Catechol	mg/kg	0.010			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthols	mg/kg	0.010			<0.01	<0.01	<0.01	0.0339	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrobenzene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n-Nitrosodi-n-Propylamine	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Resorcinol	mg/kg	0.050			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Soil Organic Matter(SOM)	%	0.35			11.6	0.709	<0.35	<0.35	<0.35	0.878	0.434	<0.35	0.576	0.512				1.07	0.571	1.52	<0.35	1.35	1.47
Styrene	mg/kg	0.10	3,170										<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Other

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2-Chloronaphthalene	mg/kg	0.10 - 0.50	370		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
4-Bromophenylphenyl ether	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
4-Chloroaniline	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
4-Chlorophenyl phenyl ether	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Azobenzene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Bis (2-chloroethoxy) methane	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Bis (2-chloroethyl) ether	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Carbazole	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.236	0.732	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.692	<0.1	<0.1	<0.1
Carbon Disulphide	mg/kg	0.070	11.0								<0.07	<0.07	<0.07						<0.07	<0.07	<0.07	<0.07	
Catechol	mg/kg	0.010			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthols	mg/kg	0.010			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0124	<0.01	<0.01	<0.01	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrobenzene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
n-Nitrosodi-n-Propylamine	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Resorcinol	mg/kg	0.050			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0585	<0.05	<0.05	<0.05
Soil Organic Matter (SOM)	%	0.35			3.93		1.15	<0.35	6.65	0.576	4.31	5.95	2.72	1.79	31.2	1.18	6.09	<0.35	<0.35	6.03	0.972	3.55	14.1
Styrene	mg/kg	0.10	3,170								<0.1	<0.1	<0.1						<0.1	<0.1	<0.1	<0.1	

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Other

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
2-Chloronaphthalene	mg/kg	0.10 - 0.50	370		<0.1	<0.5	<0.5	<0.1	<0.1
4-Bromophenylphenyl ether	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
4-Chloroaniline	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
4-Chlorophenyl phenyl ether	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Azobenzene	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Bis (2-chloroethoxy) methane	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Bis (2-chloroethyl) ether	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Carbazole	mg/kg	0.10 - 0.50			<0.1	0.814	<0.5	<0.1	<0.1
Carbon Disulphide	mg/kg	0.070	11.0					<0.07	<0.07
Catechol	mg/kg	0.010			<0.01	<0.01	<0.01	<0.01	<0.01
Naphthols	mg/kg	0.010			<0.01	<0.01	<0.01	<0.01	<0.01
Nitrobenzene	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
n-Nitrosodi-n-Propylamine	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Resorcinol	mg/kg	0.050			<0.05	<0.05	<0.05	<0.05	<0.05
Soil Organic Matter (SOM)	%	0.35			0.54	2.26	3.41	0.881	0.509
Styrene	mg/kg	0.10	3,170					<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

PAHs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2-Methylnaphthalene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10 - 0.50			<0.1	<0.1	0.172	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.226
Acenaphthylene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.10 - 0.50			<0.1	<0.1	0.221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	0.127	<0.1	<0.1	<0.1	<0.1	<0.1	0.362	<0.1	<0.1	0.44
Benzo (a) anthracene	mg/kg	0.10 - 0.50			0.312	<0.1	0.959	<0.1	<0.1	0.128	<0.1	<0.1	0.874	0.877	0.163	0.165	<0.1	<0.1	<0.1	1.52	0.175	<0.1	1.08
Benzo (a) pyrene	mg/kg	0.10 - 0.50	38.0		0.36	<0.1	0.959	<0.1	<0.1	0.116	<0.1	<0.1	0.672	0.709	0.102	0.127	<0.1	<0.1	0.113	1.2	0.127	<0.1	0.893
Benzo (b) fluoranthene	mg/kg	0.10 - 0.50			0.348	<0.1	0.726	0.113	<0.1	0.116	<0.1	<0.1	0.504	0.563	<0.1	<0.1	<0.1	<0.1	<0.1	1.14	0.114	<0.1	0.881
Benzo (ghi) perylene	mg/kg	0.10 - 0.50			0.24	<0.1	0.541	<0.1	<0.1	<0.1	<0.1	<0.1	0.314	0.281	<0.1	<0.1	<0.1	<0.1	<0.1	0.499	<0.1	<0.1	0.476
Benzo (k) fluoranthene	mg/kg	0.10 - 0.50			0.312	<0.1	0.726	<0.1	<0.1	<0.1	<0.1	<0.1	0.571	0.416	<0.1	<0.1	<0.1	<0.1	<0.1	0.909	<0.1	<0.1	0.797
Chrysene	mg/kg	0.10 - 0.50			0.372	<0.1	0.8	<0.1	<0.1	0.128	<0.1	<0.1	0.762	0.891	0.133	0.14	<0.1	<0.1	<0.1	1.29	0.169	<0.1	1.02
Dibenzo (ah) anthracene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.10 - 0.50			0.492	<0.1	1.55	<0.1	<0.1	0.174	<0.1	<0.1	0.75	1.06	0.214	0.203	<0.1	<0.1	<0.1	3.13	0.337	<0.1	1.8
Fluorene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.202
Indeno (1,2,3-cd) pyrene	mg/kg	0.10 - 0.50			0.324	<0.1	0.64	<0.1	<0.1	<0.1	<0.1	<0.1	0.459	0.485	<0.1	<0.1	<0.1	<0.1	<0.1	0.849	0.137	<0.1	0.666
Naphthalene	mg/kg	0.10 - 0.50	193		<0.1	<0.1	0.344	<0.1	<0.1	<0.1	<0.1	<0.1	<0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.143
Phenanthrene	mg/kg	0.10 - 0.50			0.276	<0.1	1.33	<0.1	<0.1	<0.1	<0.1	<0.1	0.314	0.64	0.102	0.127	<0.1	<0.1	<0.1	1.41	0.194	<0.1	2.14

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

PAHs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2-Methylnaphthalene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.409	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.878	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10 - 0.50			0.175	<0.1	<0.1	<0.1	<0.1	<0.1	0.298	1.22	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	0.665	2.44	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.10 - 0.50			0.159	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.161	0.244	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.10 - 0.50			0.734	0.378	0.361	0.189	<0.1	<0.1	0.521	1.56	0.699	<0.1	<0.1	<0.1	<0.5	<0.1	0.897	0.774	0.139	0.196	<0.1
Benzo (a) anthracene	mg/kg	0.10 - 0.50			2.24	0.427	1.03	1.36	<0.1	<0.1	1.8	6.1	2.63	0.172	0.186	<0.1	<0.5	0.178	7.27	3.46	0.476	1.12	<0.1
Benzo (a) pyrene	mg/kg	0.10 - 0.50	38.0		2.33	0.354	0.697	2.16	<0.1	<0.1	1.57	5.46	2.71	0.15	0.161	<0.1	<0.5	0.167	5.27	1.94	0.441	1.33	<0.1
Benzo (b) fluoranthene	mg/kg	0.10 - 0.50			2.11	0.268	0.503	1.91	<0.1	<0.1	1.61	5.47	2.01	0.122	0.149	0.147	<0.5	0.411	5.21	2.83	0.452	1.07	<0.1
Benzo (ghi) perylene	mg/kg	0.10 - 0.50			1.19	0.22	0.323	1.32	<0.1	<0.1	1.18	3.56	1.29	<0.1	<0.1	<0.1	<0.5	0.167	2.65	1.28	0.255	1.07	<0.1
Benzo (k) fluoranthene	mg/kg	0.10 - 0.50			1.87	0.268	0.671	1.53	<0.1	<0.1	1.31	4.41	2.12	<0.1	0.149	<0.1	<0.5	0.233	4.75	2.49	0.36	1.09	<0.1
Chrysene	mg/kg	0.10 - 0.50			1.9	0.403	0.942	1.52	<0.1	<0.1	1.7	5.67	2.83	0.148	0.211	0.113	<0.5	0.167	6.39	3.78	0.464	1.12	<0.1
Dibenzo (ah) anthracene	mg/kg	0.10 - 0.50			0.151	<0.1	<0.1	0.224	<0.1	<0.1	0.149	0.769	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	0.127	<0.1
Fluoranthene	mg/kg	0.10 - 0.50			3.98	0.598	1.81	1.9	<0.1	<0.1	2.8	7.03	6.67	0.299	0.198	0.158	0.798	0.178	12.1	7.56	0.603	1.27	<0.1
Fluorene	mg/kg	0.10 - 0.50			0.213	<0.1	<0.1	<0.1	<0.1	<0.1	0.273	1.1	0.222	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	1.46	<0.1	<0.1	<0.1
Indeno (1,2,3-cd) pyrene	mg/kg	0.10 - 0.50			2.19	0.268	0.477	2.09	<0.1	<0.1	1.7	5.34	1.85	0.158	0.149	<0.1	<0.5	0.211	4.6	1.91	0.406	1.29	<0.1
Naphthalene	mg/kg	0.10 - 0.50	193		0.362	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.893	<0.13	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	1.36	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10 - 0.50			1.4	0.354	0.722	0.661	<0.1	<0.1	2.24	6.62	3.57	0.15	0.124	<0.1	<0.5	<0.1	2.85	4.5	0.58	0.667	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

PAHs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
2-Methylnaphthalene	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Acenaphthene	mg/kg	0.10 - 0.50			<0.1	1.06	<0.5	<0.1	<0.1
Acenaphthylene	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Anthracene	mg/kg	0.10 - 0.50			<0.1	1.44	<0.5	<0.1	<0.1
Benzo (a) anthracene	mg/kg	0.10 - 0.50			<0.1	9.73	3.73	0.19	<0.1
Benzo (a) pyrene	mg/kg	0.10 - 0.50	38.0		<0.1	14.5	4.66	0.143	<0.1
Benzo (b) fluoranthene	mg/kg	0.10 - 0.50			<0.1	11.1	4.7	0.119	<0.1
Benzo (ghi) perylene	mg/kg	0.10 - 0.50			<0.1	10.1	3.43	<0.1	<0.1
Benzo (k) fluoranthene	mg/kg	0.10 - 0.50			<0.1	9.94	4.09	0.143	<0.1
Chrysene	mg/kg	0.10 - 0.50			<0.1	8.18	4.13	0.19	<0.1
Dibenzo (ah) anthracene	mg/kg	0.10 - 0.50			<0.1	1.47	<0.5	<0.1	<0.1
Fluoranthene	mg/kg	0.10 - 0.50			<0.1	10.9	4.93	0.262	<0.1
Fluorene	mg/kg	0.10 - 0.50			<0.1	0.791	<0.5	<0.1	<0.1
Indeno (1,2,3-cd) pyrene	mg/kg	0.10 - 0.50			<0.1	11.8	4.18	0.119	<0.1
Naphthalene	mg/kg	0.10 - 0.50	193		<0.1	0.655	<0.5	<0.1	<0.1
Phenanthrene	mg/kg	0.10 - 0.50			<0.1	6.98	2.6	0.238	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

PAHs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Pyrene	mg/kg	0.10 - 0.50			0.624	<0.1	2.04	<0.1	<0.1	0.22	<0.1	<0.1	1.06	1.71	0.286	0.267	<0.1	<0.1	<0.1	2.35	0.289	<0.1	2.09

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

PAHs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Pyrene	mg/kg	0.10 - 0.50			4.04	0.976	2.28	2.51	<0.1	<0.1	3.25	11.1	5.78	0.285	0.335	0.17	0.832	0.244	16.4	6.37	0.882	1.83	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

PAHs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Pyrene	mg/kg	0.10 - 0.50			<0.1	14.6	6.08	0.357	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Pesticides, Herbicides and Insecticides

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Dibutyl tin	mg/kg																	<0.02					<0.02
Hexachlorocyclopentadiene	mg/kg	0.10 - 0.50			<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.1	<0.1	<0.4	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
Pentachlorophenol	mg/kg	0.10 - 0.50	406		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tributyl tin	mg/kg		123															<0.02					<0.02
Triphenyl tin	mg/kg																	<0.02					<0.02

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Pesticides, Herbicides and Insecticides

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1		TP1		TP2			TP3			TP4	WS2a	WS3
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.3	0.6	0.7	1.2	0.2	0.6	0.8-1.0	0.3	0.8	1.8	0.5	0.3-0.5	0.3
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Dibutyl tin	mg/kg										0.05				<0.02				<0.02			<0.02	<0.1
Hexachlorocyclopentadiene	mg/kg	0.10 - 0.50			<0.1	<0.2	<0.2	<0.1	<0.2	<0.1		<0.1	<0.1	<0.2		<0.1	<0.1	<0.2		<1	<0.1	<0.1	<0.5
Pentachlorophenol	mg/kg	0.10 - 0.50	406		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.2		<0.1	<0.1	<0.1		<0.5	<0.1	<0.1	<0.5
Tributyl tin	mg/kg		123								0.09				0.05				<0.02			<0.02	0.28
Triphenyl tin	mg/kg										<0.02				<0.02				<0.02			<0.02	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Pesticides, Herbicides and Insecticides

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS3		WS4		WS5		WS7A		
					1.0	1.4	0.4	0.8	0.0-0.2	0.5	0.1	0.6	1.3-1.5
				Depth (m bgl)	15/02/21	15/02/21			16/02/21	16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date									
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Dibutyl tin	mg/kg										0.16		
Hexachlorocyclopentadiene	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.2	<1	<1		<0.1	<0.1
Pentachlorophenol	mg/kg	0.10 - 0.50	406		<0.1	<0.1	<0.1	<0.1	<0.5	<0.5		<0.1	<0.1
Tributyl tin	mg/kg		123								0.42		
Triphenyl tin	mg/kg										<0.02		

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Pharmaceuticals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Pharmaceuticals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Pharmaceuticals

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
2-Nitroaniline	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Phenols

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2,4-Dimethylphenol	mg/kg	0.10 - 0.50	15,700		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-IsoPropylphenol	mg/kg	0.015			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0613	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
2-Methylphenol (o-Cresol)	mg/kg	0.10 - 0.50	160,000		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Methylphenol	mg/kg	0.10 - 0.50	160,000		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cresols	mg/kg	0.010	160,000		0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methylphenols Total (Summed)	mg/kg	-999	160,000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Phenol	mg/kg	0.010 - 0.50	760		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenols, Total Detected5	mg/kg	0.060			<0.06	<0.06	<0.06	0.0904	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.0613	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Phenols, Total Detected8 Speciated	mg/kg	0.13			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Trimethylphenols	mg/kg	0.010			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0348	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Xylenols	mg/kg	0.015			<0.015	<0.015	<0.015	0.0904	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Phenols

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
2,4-Dimethylphenol	mg/kg	0.10 - 0.50	15,700		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.124	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
2-IsoPropylphenol	mg/kg	0.015			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0248	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0351	<0.015	<0.015	<0.015
2-Methylphenol (o-Cresol)	mg/kg	0.10 - 0.50	160,000		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.82	<0.1	<0.1	<0.1
2-Nitrophenol	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
4-Methylphenol	mg/kg	0.10 - 0.50	160,000		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.484	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
4-Nitrophenol	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Cresols	mg/kg	0.010	160,000		0.0124	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0248	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0936	<0.01	<0.01	<0.01
Methylphenols Total (Summed)	mg/kg	-999	160,000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.484	0.2	0.1	0.1	0.1	0.5	0.1	0.1	0.82	0.1	0.1	0.1
Phenol	mg/kg	0.010 - 0.50	760		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	5.68	<0.01	<0.01	<0.01
Phenols, Total Detected 5	mg/kg	0.060			<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.0868	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.246	<0.06	<0.06	<0.06
Phenols, Total Detected 8 Speciated	mg/kg	0.13			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	0.17	<0.13	<0.13	<0.13	0.304	<0.13	<0.13	<0.13
Trimethylphenols	mg/kg	0.010			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0124	<0.01	<0.01	0.0124	<0.01	<0.01	<0.01	<0.01	0.0351	<0.01	<0.01	<0.01
Xylenols	mg/kg	0.015			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0248	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Phenols

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
2,4-Dimethylphenol	mg/kg	0.10 - 0.50	15,700		<0.1	<0.5	<0.5	<0.1	<0.1
2-IsoPropylphenol	mg/kg	0.015			<0.015	<0.015	<0.015	<0.015	<0.015
2-Methylphenol (o-Cresol)	mg/kg	0.10 - 0.50	160,000		<0.1	<0.5	<0.5	<0.1	<0.1
2-Nitrophenol	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
4-Methylphenol	mg/kg	0.10 - 0.50	160,000		<0.1	<0.5	<0.5	<0.1	<0.1
4-Nitrophenol	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Cresols	mg/kg	0.010	160,000		<0.01	<0.01	<0.01	<0.01	<0.01
Methylphenols Total (Summed)	mg/kg	-999	160,000		0.1	0.5	0.5	0.1	0.1
Phenol	mg/kg	0.010 - 0.50	760		<0.01	<0.01	<0.01	<0.01	<0.01
Phenols, Total Detected 5	mg/kg	0.060			<0.06	<0.06	<0.06	<0.06	<0.06
Phenols, Total Detected 8 Speciated	mg/kg	0.13			<0.13	<0.13	<0.13	<0.13	<0.13
Trimethylphenols	mg/kg	0.010			<0.01	<0.01	<0.01	<0.01	<0.01
Xylenols	mg/kg	0.015			<0.015	<0.015	<0.015	<0.015	<0.015

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Phthalates

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Bis (2-ethylhexyl) phthalate	mg/kg	0.10 - 0.50	85,200		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.179
Butyl benzyl phthalate	mg/kg	0.10 - 0.50	940,000		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	mg/kg	0.10 - 0.50	144,000		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.119
Di-n-butyl phthalate	mg/kg	0.10 - 0.50	15,400		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Di-n-octyl phthalate	mg/kg	0.10 - 0.50	89,100		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Phthalates

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
Bis (2-ethylhexyl) phthalate	mg/kg	0.10 - 0.50	85,200		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.446	6.01	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	2.44	<0.1	<0.1	<0.1
Butyl benzyl phthalate	mg/kg	0.10 - 0.50	940,000		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.508	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.598	<0.1	<0.1	<0.1
Diethyl phthalate	mg/kg	0.10 - 0.50	144,000		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Dimethyl phthalate	mg/kg	0.10 - 0.50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.31	0.298	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.938	<0.1	<0.1	<0.1
Di-n-butyl phthalate	mg/kg	0.10 - 0.50	15,400		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.322	9.32	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Di-n-octyl phthalate	mg/kg	0.10 - 0.50	89,100		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

Phthalates

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
Bis (2-ethylhexyl) phthalate	mg/kg	0.10 - 0.50	85,200		<0.1	<0.5	0.636	<0.1	<0.1
Butyl benzyl phthalate	mg/kg	0.10 - 0.50	940,000		<0.1	<0.5	<0.5	<0.1	<0.1
Diethyl phthalate	mg/kg	0.10 - 0.50	144,000		<0.1	<0.5	<0.5	<0.1	<0.1
Dimethyl phthalate	mg/kg	0.10 - 0.50			<0.1	<0.5	<0.5	<0.1	<0.1
Di-n-butyl phthalate	mg/kg	0.10 - 0.50	15,400		<0.1	<0.5	<0.5	<0.1	<0.1
Di-n-octyl phthalate	mg/kg	0.10 - 0.50	89,100		<0.1	<0.5	<0.5	<0.1	<0.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

QA Standard

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
4-Bromofluorobenzene	%				83.6	93.5	104	102	104	94.7	95.2	94.7	93.6	94.4	94.7	95	96.7	94.4	93.8	95.3	94.1	94.1	100
Dibromofluoromethane	%				107	113	110	123	110	108	111	110	108	109	112	113	108	106	114	110	111	119	106
Toluene-d8 Surrogate	%				95.9	98.3	94	94.1	95	98.4	98.5	99.7	98.4	96.7	99.6	99.5	99.2	98.6	99.5	98	102	97.8	93.7

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

QA Standard

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
4-Bromofluorobenzene	%				99.4	98.6	103	100	95.7	103	94.9	82.5	91.1	90.2	89.2	84.2	85.9	92.8	90.5	75.6	91.3	89.4	89.4
Dibromofluoromethane	%				108	106	106	106	113	113	105	112	114	110	106	110	115	108	111	113	114	111	107
Toluene-d8 Surrogate	%				93.6	98.2	101	99.8	92.6	94.4	95.7	93.1	99.2	98.4	99.1	94.8	95.8	99.3	97	89	99.1	97.8	97.9

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

QA Standard

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
4-Bromofluorobenzene	%				92.2	85.7	87	93.2	92.4
Dibromofluoromethane	%				107	110	111	111	109
Toluene-d8 Surrogate	%				99	96.1	97.8	96.5	98.1

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

TPH/EPH

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10			BH2			BH3					BH4		BH5			BH7
					0.1	2.0-2.2	0.4	0.8	3.0-3.3	0.2	0.6	3.0	0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.9	3.0	0.2
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	19/02/21	22/02/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21			02/03/21	02/03/21
				Sample Date																			
				Geology (at top depth of sample)	No Data Entered		Made Ground Cohesive	Made Ground Cohesive		Concrete	Made Ground Cohesive		Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
GRO Surrogate	%				83.3	121	112	110	101	117	119	103	97	101	121	163	91.2	108	115	121	119	118	98.2
PRO (>C5-C10)	mg/kg	0.020			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0734	0.157	0.0597	<0.02	0.0627	<0.02	<0.02	<0.02	<0.02	0.18

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

TPH/EPH

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH7		BH8		BH9		HP1	TP1		TP2		TP3		TP4	WS2a	WS3			WS4
					1.1	3.0-3.8	0.3-0.5	0.6-0.8	0.4	0.8	0.6	0.7	1.2	0.6	0.8-1.0	0.3	1.8	0.5	0.3-0.5	0.3	1.0	1.4	0.4
				Depth (m bgl)	02/03/21	02/03/21	19/02/21	02/03/21	19/02/21	19/02/21	12/03/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	
				Sample Date																			
				Geology (at top depth of sample)	Made Ground Cohesive	Made Ground Cohesive	Concrete	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	No Data Entered	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Cohesive
GRO Surrogate	%				92.8	98.7	110	106	91.6	98.9	121	78	118	101	109	77.2	122	125	108	82	129	110	92.8
PRO (>C5-C10)	mg/kg	0.020			0.448	0.142	<0.02	<0.02	<0.02	<0.02	<0.02	1.51	<0.02	<0.02	<0.02	0.168	<0.02	<0.02	74.7	13.3	0.501	0.0805	<0.02

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

TPH/EPH

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	WS4	WS5		WS7A	
					0.8	0.0-0.2	0.5	0.6	1.3-1.5
				Depth (m bgl)		16/02/21	16/02/21	16/02/21	16/02/21
				Sample Date					
				Geology (at top depth of sample)	Raised Beach Deposits	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular
GRO Surrogate	%				98.1	120	78.4	114	111
PRO (>C5-C10)	mg/kg	0.020			<0.02	<0.02	<0.02	<0.02	0.0836

Commercial, SOM=1%

Site Area(s): Whole site
Phase(s): All phases

VOCs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH3					BH4		HP1	TP1		WS2a	WS3			WS7A	
					0.5	0.9	2.0	3.0	5.0	0.6	1.0	0.6	0.7	1.2	0.3-0.5	0.3	1.0	1.4	0.6	1.3-1.5
				Depth (m bgl)	03/03/21	03/03/21	03/03/21	03/03/21	03/03/21	28/02/21	28/02/21	12/03/21	17/02/21	17/02/21	15/02/21	15/02/21	15/02/21	15/02/21	16/02/21	16/02/21
				Sample Date																
				Geology (at top depth of sample)	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive		Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Granular	Made Ground Cohesive	Made Ground Cohesive	Made Ground Granular	Made Ground Granular
4-Isopropyltoluene	mg/kg	0.10			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
iso-Propylbenzene	mg/kg	0.050	1,300		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Butylbenzene	mg/kg	0.11			<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
n-Propylbenzene	mg/kg	0.10	3,860		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sec-Butylbenzene	mg/kg	0.10			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tert-Butylbenzene	mg/kg	0.14			<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14

PRE-REPORT DATA CHECK

All GEOL_GEO2 codes are complete.

All GEOL_GEO2 codes are recognised and suitable for this report.

The following results do not have a sample matrix (SampleMatrix) entered.
These results cannot be mapped or reported.
Check that a **valid test type** is entered and **Recalculate Current Table** in gINT

CNMT

PointId	Depth	Samp Ref	Samp Type	Analyte Code	Test Type	Test (suite)	Method
TP1	0.10		ES	24DNT		SUB	SUB
TP1	0.10		ES	26DNT		SUB	SUB
TP1	0.10		ES	EGDN		SUB	SUB
TP1	0.10		ES	HNS		SUB	SUB
TP1	0.10		ES	HMX		SUB	SUB
TP1	0.10		ES	NC		SUB	SUB
TP1	0.10		ES	NGLC		SUB	SUB
TP1	0.10		ES	PICA		SUB	SUB
TP1	0.10		ES	PCRT		SUB	SUB
TP1	0.10		ES	RDX		SUB	SUB
TP1	0.10		ES	TTRYL		SUB	SUB
TP1	0.10		ES	TNT		SUB	SUB
WS1	0.20		ES	HNS		SUB	SUB
WS1	0.20		ES	HMX		SUB	SUB
WS1	0.20		ES	NC		SUB	SUB
WS1	0.20		ES	NGLC		SUB	SUB
WS1	0.20		ES	PICA		SUB	SUB
WS1	0.20		ES	24DNT		SUB	SUB
WS1	0.20		ES	26DNT		SUB	SUB
WS1	0.20		ES	EGDN		SUB	SUB
WS1	0.20		ES	PCRT		SUB	SUB
WS1	0.20		ES	RDX		SUB	SUB
WS1	0.20		ES	TTRYL		SUB	SUB
WS1	0.20		ES	TNT		SUB	SUB
WS5	0.00		ES	26DNT		SUB	SUB
WS5	0.00		ES	EGDN		SUB	SUB
WS5	0.00		ES	HNS		SUB	SUB
WS5	0.00		ES	HMX		SUB	SUB
WS5	0.00		ES	NC		SUB	SUB
WS5	0.00		ES	24DNT		SUB	SUB
WS5	0.00		ES	NGLC		SUB	SUB
WS5	0.00		ES	PICA		SUB	SUB
WS5	0.00		ES	PCRT		SUB	SUB
WS5	0.00		ES	RDX		SUB	SUB
WS5	0.00		ES	TTRYL		SUB	SUB
WS5	0.00		ES	TNT		SUB	SUB
WS8	0.30		ES	EGDN		SUB	SUB
WS8	0.30		ES	HNS		SUB	SUB
WS8	0.30		ES	HMX		SUB	SUB
WS8	0.30		ES	NC		SUB	SUB
WS8	0.30		ES	NGLC		SUB	SUB
WS8	0.30		ES	24DNT		SUB	SUB
WS8	0.30		ES	26DNT		SUB	SUB
WS8	0.30		ES	PICA		SUB	SUB
WS8	0.30		ES	PCRT		SUB	SUB
WS8	0.30		ES	RDX		SUB	SUB
WS8	0.30		ES	TTRYL		SUB	SUB
WS8	0.30		ES	TNT		SUB	SUB
BH2	0.20		ES	NC		SUB	SUB
BH2	0.20		ES	NGLC		SUB	SUB
BH2	0.20		ES	PICA		SUB	SUB
BH2	0.20		ES	PCRT		SUB	SUB
BH2	0.20		ES	RDX		SUB	SUB
BH2	0.20		ES	24DNT		SUB	SUB
BH2	0.20		ES	26DNT		SUB	SUB
BH2	0.20		ES	EGDN		SUB	SUB
BH2	0.20		ES	HNS		SUB	SUB
BH2	0.20		ES	HMX		SUB	SUB
BH2	0.20		ES	TTRYL		SUB	SUB
BH2	0.20		ES	TNT		SUB	SUB

Water Vapour Screening, Landuse=Commercial, Soil Type=Sand

Site Area(s): Whole site
Phase(s): All phases

Aliphatics and Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
				Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
				Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Aliphatic C05-C06	ug/l	10.0	GAC > Sol		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C06-C08	ug/l	10.0	GAC > Sol		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C08-C10	ug/l	10.0	GAC > Sol		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C10-C12	ug/l	10.0	GAC > Sol		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C12-C16	ug/l	10.0	GAC > Sol		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C07-C08	ug/l	10.0	GAC > Sol		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C08-C10	ug/l	10.0	GAC > Sol		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C10-C12	ug/l	10.0	GAC > Sol		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C12-C16	ug/l	10.0	GAC > Sol		15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Water Vapour Screening, Landuse=Commercial, Soil Type=Sand

Site Area(s): Whole site
Phase(s): All phases

BTEX and Fuel Additives

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
				Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
				Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,2,4-Trimethylbenzene	ug/l	1.00	34,060		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/l	1.00	34,060		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	ug/l	1.00	19,300		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	1.00	GAC > Sol		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl t-butylether (MTBE)	ug/l	1.00	7,530,000		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	1.00	GAC > Sol		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene - Total (Summed)	ug/l	-999	GAC > Sol		1	1	1	1	1	1	1	1	1	1	1

Water Vapour Screening, Landuse=Commercial, Soil Type=Sand

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aliphatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
				Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
				Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,1,1,2-Tetrachloroethane	ug/l	1.00	21,355		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ug/l	1.00	666,102		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/l	1.00	145,067		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ug/l	1.00	46,947		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/l	1.00	15,052		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/l	1.00	811		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	ug/l	1.00	2,496		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/l	1.00	8,090		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/l	1.00	955,412		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/l	1.00	1,317		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ug/l	3.00	347,378		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Hexachlorobutadiene	ug/l	1.00	237		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene (PCE)	ug/l	1.00	4,520		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene	ug/l	1.00	15,030		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene (TCE)	ug/l	1.00	509		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	ug/l	1.00	58.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Vapour Screening, Landuse=Commercial, Soil Type=Sand

Site Area(s): Whole site
Phase(s): All phases

Chlorinated Aromatics

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
				Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
				Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,2,3-Trichlorobenzene	ug/l	1.00	3,058		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/l	1.00	8,995		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/l	1.00	GAC > Sol		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trichlorobenzene	ug/l	1.00	651		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/l	1.00	2,712		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/l	1.00	GAC > Sol		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/l	1.00	15,457		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Vapour Screening, Landuse=Commercial, Soil Type=Sand

Site Area(s): Whole site
Phase(s): All phases

Halogonated Hydrocarbons

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
				Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
				Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Bromobenzene	ug/l	1.00	19,244		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Vapour Screening, Landuse=Commercial, Soil Type=Sand

Site Area(s): Whole site
Phase(s): All phases

Other

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
				Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
				Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2-Chloronaphthalene	ug/l	1.00 - 10.0	GAC > Sol		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Carbon Disulphide	ug/l	1.00	5,230		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/l	1.00	GAC > Sol		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Vapour Screening, Landuse=Commercial, Soil Type=Sand

Site Area(s): Whole site
Phase(s): All phases

PAHs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
				Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
				Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Naphthalene	ug/l	1.00	GAC > Sol		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Water Vapour Screening, Landuse=Commercial, Soil Type=Sand

Site Area(s): Whole site
Phase(s): All phases

VOCs

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
				Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
				Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
iso-Propylbenzene	ug/l	1.00	GAC > Sol		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	ug/l	1.00	GAC > Sol		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Project Site		Tipner																												
Client		PCC																												
Sample Description			BHSY1	BHSY1	BHSY2	BHSY2	BHSY4	BHSY4	BHSY6	BHSY6	BHSY03	BHSY03	BHSY03	BH SY5B	BH SY5B	BH SY5B	BH SY8	BH SY8	BHSY10	BHSY10	TP SY1	TP SY1	TP SY1	TP SY4	TP SY4	TP SY4	TP SY8	TP SY8		
Sample Depth			0.7-0.9	1.45-1.65	1.0	2.2	1.2-1.7	3.6-3.9	1.2	3.6-3.9	1.45	2.0	5.0	1.0	2.0	4.0	0.25-0.4	1.2	1.20	4.40-4.70	0.30	0.60	1.50	0.10	1.00	2.00	0.20	2.80		
Laboratory data from the 2006 Investigation (Soils)																														
Metals - (Solids)																														
Boron Water Soluble	207000	<1 mg/kg	2	-	2	-	1	-	4	-	5	-	-	6	-	-	-	7	2	-	5	-	-	-	-	8	2	-		
Arsenic	635	<1 mg/kg	29	-	8	-	10	-	10	-	18	-	-	6	-	-	-	11	5	-	25	-	-	-	-	6	9	-		
Cadmium	223	<1 mg/kg	<1	-	<1	-	2	-	1	-	<1	-	-	<1	-	-	-	<1	<1	-	6	-	-	-	-	<1	5	-		
Chromium	9550	<1 mg/kg	35	-	38	-	29	-	29	-	30	-	-	20	-	-	-	45	16	-	83	-	-	-	-	67	31	-		
Copper	69800	<1 mg/kg	6	-	3	-	14	-	117	-	2	-	-	75	-	-	-	205	118	-	550	-	-	-	-	11	150	-		
Lead	1390	<1 mg/kg	34	-	12	-	392	-	458	-	25	-	-	259	-	-	-	672	793	-	472	-	-	-	-	61	206	-		
Mercury	15	<1 mg/kg	<1	-	<1	-	<1	-	<1	-	<1	-	-	<1	-	-	-	<1	<1	-	<1	-	-	-	-	<1	<1	-		
Nickel	1710	<1 mg/kg	7	-	5	-	13	-	19	-	14	-	-	13	-	-	-	29	8	-	51	-	-	-	-	13	21	-		
Selenium	12300	<3 mg/kg	<3	-	<3	-	<3	-	<3	-	<3	-	-	<3	-	-	-	<3	<3	-	<3	-	-	-	-	<3	<3	-		
Vanadium	9220	<1 mg/kg															-	-	-	-										
Zinc	1050000	<1 mg/kg	63	-	14	-	68	-	252	-	50	-	-	150	-	-	-	759	271	-	636	-	-	-	-	103	283	-		
Water Soluble Sulphate as SO4 2:1 Extract		<0.003 g/l	0.073	-	0.115	-	0.046	-	0.38	-	0.02	-	-	0.312	-	-	-	0.37	0.079	-	0.741	-	-	-	-	0.048	0.17	-		
Acid Soluble Sulphide		<50 mg/kg	<50	-	<50	-	<50	-	69	-	<50	-	-	<50	-	-	-	<50	<50	-	<50	-	-	-	-	<50	<50	-		
Phenols Total Monohydric		<0.01 mg/kg	-	<0.01	-	-	-	<0.01	-	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	-	-	-	-	-	-	-		
Thiocyanate	10500	<1 mg/kg	<1	-	<1	-	<1	-	<1	-	<1	-	-	<1	-	-	-	<1	<1	-	<1	-	-	-	-	1	<1	-		
Total Cyanide	78	<1 mg/kg	<1	-	<1	-	<1	-	<1	-	<1	-	-	<1	-	-	-	<1	<1	-	<1	-	<1	1	-	<1	<1	-		
Free Cyanide	78	<1 mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	-	<1	-		
Complex Cyanide	78	<1 mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	1	-	-	<1	-		
Asbestos Presence Screen	NONE	NONE	ıres Detected	-	ıres Detected	-	ıres Detected	-	No Fibres De	-	No Fibres De	-	-	No Fibres De	-	-	Fibres Detec	No Fibres De	-	-	No Fibres De	-	-	-	-	No Fibres De	No Fibres De	-		
Elemental Sulphur		<50 mg/kg	<50	-	<50	-	<50	-	129	-	<50	-	-	<50	-	-	-	<50	<50	-	<50	-	-	-	-	608	<50	-		
Fraction of Organic Carbon		<0.001 NONE	-	-	-	0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.025	-	-	0.015	-	-	0.02		
pH Value		<1.00 pH Units	7.9	-	12.05	-	11.95	-	8.58	-	8.02	-	-	11.05	-	-	-	8.26	9.75	-	8.15	-	-	-	-	8.74	8.53	-		
Solvent Extract		<100 mg/kg							-	-	-	-	-	-	-	-	-	-	-	-										
Amosite (Brown) Asbestos*	None										-	-	-	-	-	-	No Fibres De	-			-	-	-	-	-	-	-	-		
Chrysotile (White) Asbestos*	None										-	-	-	-	-	-	Fibres Detec	-			-	-	-	-	-	-	-	-		
Crocidolite (Blue) Asbestos*	None										-	-	-	-	-	-	No Fibres De	-			-	-	-	-	-	-	-	-		
Man-made Mineral Fibre*	None										-	-	-	-	-	-	No Fibres De	-			-	-	-	-	-	-	-	-		
Organic Fibre*											-	-	-	-	-	-	No Fibres De	-			-	-	-	-	-	-	-	-		
TPH Criteria Working Group (TPH CWG)																														
GRO (C4-C12)		<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
MTBE	7,480,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Benzene	27,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Toluene	56,300,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Ethyl benzene	5,710,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
m & p Xylene	5,920,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
o Xylene	5,920,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aliphatics C5-C6	3,190,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aliphatics >C6-C8	7,780,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aliphatics >C8-C10	2,000,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aliphatics >C10-C12	9,690,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aliphatics >C12-C16	58,800,000	<100 ug/kg	-	-	176	-	-	-	-	-	-	-	-	-	-	-			-	-	-	10356	-	-	1255	-	-	30793		
Aliphatics >C16-C21	1,910,000,000	<100 ug/kg	-	-	160	-	-	-	-	-	-	-	-	-	-	-			-	-	-	68813	-	-	45521	-	-	84278		
Aliphatics >C21-C35	1,910,000,000	<100 ug/kg	-	-	499	-	-	-	-	-	-	-	-	-	-	-			-	-	-	213388	-	-	1743638	-	-	89913		
Total Aliphatics C5-C35		<100 ug/kg	-	-	835	-	-	-	-	-	-	-	-	-	-	-			-	-	-	292557	-	-	1790414	-	-	204984		
Aromatics C6-C7	26,200,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aromatics >C7-C8	56,100,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aromatics >EC8-EC10	3,460,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aromatics >EC10-EC12	16,200,000	<10 ug/kg	-	-	<10	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<10	-	-	<10	-	-	<10		
Aromatics >EC12-EC16	36,200,000	<100 ug/kg	-	-	120	-	-	-	-	-	-	-	-	-	-	-			-	-	-	706	-	-	665	-	-	1770		
Aromatics >EC16-EC21	28,600,000	<100 ug/kg	-	-	1183	-	-	-	-	-	-	-	-	-	-	-			-	-	-	4219	-	-	2392	-	-	14585		
Aromatics >EC21-EC35	28,600,000	<100 ug/kg	-	-	4768	-	-	-	-	-	-	-	-	-	-	-			-	-	-	52229	-	-	67048	-	-	100344		
Total Aromatics C6-C35		<100 ug/kg	-	-	6071	-	-	-	-	-	-	-	-	-	-	-			-	-	-	57154	-	-	70105	-	-	116699		
TPH (Aliphatics and Aromatics C5-C35)		<100 ug/kg	-	-	6906	-	-	-	-	-	-	-	-	-	-	-			-	-	-	349711	-	-	1860519	-	-	321683		
GRO (C4-C10)		<10 ug/kg	-	-	-	-	-	<10	-	-			-	<10	-	-	-			-	-	-	-	-	-	-	-	-		
GRO (C4-C12)		<10 ug/kg																												
GRO (C10-C12)	5,000,000	<10 ug/kg	-	-	-	-	-	<10	-	-			-	<10	-	-	-			-	-	-	-	-	-	-	-	-		
Benzene	27,000	<10 ug/kg	-	-	-	-	-	<10	-	-			-	<10	-	-	-			-	-	-	-	-	-	-	-	-		
Toluene	56,300,000	<10 ug/kg	-	-	-	-	-	<10	-	-			-	<10	-	-	-			-	-	-	-	-	-	-	-	-		
Ethyl benzene	5710000	<10 ug/kg	-	-	-	-	-	<10	-	-			-	<10	-	-	-			-	-	-	-	-	-	-	-	-		
m & p Xylene	5,920,000	<10 ug/kg	-	-	-	-	-	<10	-	-			-	<10	-	-	-			-	-	-	-	-	-	-	-	-		
o Xylene	5,920,000	<10 ug/kg	-	-	-	-	-	<10	-	-			-	<10	-	-	-			-	-	-	-	-	-	-	-	-		
MTBE	7,480,000	<10 ug/kg	-	-	-	-	-	<10	-	-			-	<10	-	-	-			-	-	-	-	-	-	-	-	-		

Project Site		Tipner																												
Client		PCC																												
Sample Description			BHSY1	BHSY1	BHSY2	BHSY2	BHSY4	BHSY4	BHSY6	BHSY6	BHSY03	BHSY03	BHSY03	BH SY5B	BH SY5B	BH SY5B	BH SY8	BH SY8	BHSY10	BHSY10	TP SY1	TP SY1	TP SY1	TP SY4	TP SY4	TP SY4	TP SY8	TP SY8
Sample Depth			0.7-0.9	1.45-1.65	1.0	2.2	1.2-1.7	3.6-3.9	1.2	3.6-3.9	1.45	2.0	5.0	1.0	2.0	4.0	0.25-0.4	1.2	1.20	4.40-4.70	0.30	0.60	1.50	0.10	1.00	2.00	0.20	2.80
Laboratory data from the 2006 Investigation (Soils)																														
TPH C6-40		<10 mg/kg		-	<10	-	-	-	<10	-	53	-	97	22	-	32	84	-	-	-	123	-	-	-	-	-	-	-	-	-
Aliphatics C5-C6	3190000	<10 ug/kg																												
Aliphatics >C6-C8	7780000	<10 ug/kg																												
Aliphatics >C8-C10	2000000	<10 ug/kg																												
Aliphatics >C10-C12	9690000	<10 ug/kg																												
Total Aliphatics C5-C12		<10 ug/kg																												
Aromatics C6-C7	26,200,000	<10 ug/kg																												
Aromatics >C7-C8	56,100,000	<10 ug/kg																												
Aromatics >EC8-EC10	3,460,000	<10 ug/kg																												
Aromatics >EC10-EC12	16,200,000	<10 ug/kg																												
Total Aromatics C6-C12		<10 ug/kg																												
Polyaromatic Hydrocarbons (PAHs)																														
Naphthalene	193000	<10 ug/kg		-	-	-	266	-	- -	-	-	-	-	-	-	-			-	-	-	648	-	-	496	-	-	254		
Acenaphthylene	B(a)P-S.A.	<5 ug/kg		-	-	-	<5	-	- -	-	-	-	-	-	-	-			-	-	-	118	-	-	17	-	-	877		
Acenaphthene	B(a)P-S.A.	<14 ug/kg		-	-	-	52	-	- -	-	-	-	-	-	-	-			-	-	-	699	-	-	261	-	-	5465		
Fluorene	B(a)P-S.A.	<12 ug/kg		-	-	-	54	-	- -	-	-	-	-	-	-	-			-	-	-	639	-	-	219	-	-	5118		
Phenanthrene	B(a)P-S.A.	<21 ug/kg		-	-	-	160	-	- -	-	-	-	-	-	-	-			-	-	-	4291	-	-	1604	-	-	32829		
Anthracene	B(a)P-S.A.	<9 ug/kg		-	-	-	22	-	- -	-	-	-	-	-	-	-			-	-	-	981	-	-	172	-	-	10708		
Fluoranthene	B(a)P-S.A.	<25 ug/kg		-	-	-	149	-	- -	-	-	-	-	-	-	-			-	-	-	7005	-	-	1915	-	-	32601		
Pyrene	B(a)P-S.A.	<22 ug/kg		-	-	-	123	-	- -	-	-	-	-	-	-	-			-	-	-	5705	-	-	1662	-	-	27204		
Benz(a)anthracene	B(a)P-S.A.	<12 ug/kg		-	-	-	76	-	- -	-	-	-	-	-	-	-			-	-	-	3334	-	-	642	-	-	12714		
Chrysene	B(a)P-S.A.	<10 ug/kg		-	-	-	85	-	- -	-	-	-	-	-	-	-			-	-	-	3904	-	-	899	-	-	11756		
Benzo(b)fluoranthene	B(a)P-S.A.	<16 ug/kg		-	-	-	75	-	- -	-	-	-	-	-	-	-			-	-	-	4182	-	-	638	-	-	9683		
Benzo(k)fluoranthene	B(a)P-S.A.	<25 ug/kg		-	-	-	42	-	- -	-	-	-	-	-	-	-			-	-	-	1955	-	-	406	-	-	5621		
Benzo(a)pyrene	38000	<12 ug/kg		-	-	-	40	-	- -	-	-	-	-	-	-	-			-	-	-	3556	-	-	578	-	-	10664		
Indeno(123cd)pyrene	B(a)P-S.A.	<11 ug/kg		-	-	-	26	-	- -	-	-	-	-	-	-	-			-	-	-	2140	-	-	405	-	-	5776		
Dibenzo(ah)anthracene	B(a)P-S.A.	<8 ug/kg		-	-	-	12	-	- -	-	-	-	-	-	-	-			-	-	-	609	-	-	225	-	-	2934		
Benzo(ghi)perylene	B(a)P-S.A.	<10 ug/kg		-	-	-	30	-	- -	-	-	-	-	-	-	-			-	-	-	2562	-	-	546	-	-	6526		
PAH 16 Total	%	<25 ug/kg		-	-	-	1212	-	- -	-	-	-	-	-	-	-			-	-	-	42328	-	-	10685	-	-	180730		
Others																														
Tributyl Tin*	123,000	mg/kg							-	-	-	-	-	-	-	-			-	-	-	-	<0.10	<0.10	-	-	<0.10	-		
Triphenyl Tin*		mg/kg							-	-	-	-	-	-	-	-			-	-	-	-	<0.10	<0.10	-	-	<0.10	-		
Dibutyl Tin*		mg/kg							-	-	-	-	-	-	-	-			-	-	-	-	<0.10	<0.10	-	-	<0.10	-		
Pentachlorophenol	406,000	<1 ug/kg							-	-	-	-	-	-	-	-			-	-	-	-	2	<10	-	-	2	-		
PCBs (vs Aroclor 1254)		<20 ug/kg							-	-	-	-	-	-	-	-			-	-	-	-	<20	<200	-	-	<200	-		
SVOC's																														
Phenols																														
2-Chlorophenol	2,700,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
2-Methylphenol	160,000,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
2-Nitrophenol		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
2,4-Dichlorophenol		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
2,4-Dimethylphenol	15,700,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
2,4,5-Trichlorophenol	see total	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
2,4,6-Trichlorophenol	see total	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
4-Chloro-3-methylphenol		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
4-Methylphenol	160,000,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
4-Nitrophenol		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
Pentachlorophenol	406,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
Phenol	760,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
Total trichlorophenols	2700000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAHs																														
2-Chloronaphthalene	370000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
2-Methylnaphthalene		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	154	-	-	<100	-	-	<100		
Acenaphthene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	560	-	-	<100	-	-	<100		
Acenaphthylene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100		
Anthracene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	1723	-	-	140	-	-	<100		
Benzo(a)anthracene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	4730	-	-	417	-	-	348		
Benzo(a)pyrene	38000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	4250	-	-	343	-	-	248		
Benzo(b)fluoranthene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	4489	-	-	406	-	-	223		
Benzo(ghi)perylene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	2687	-	-	233	-	-	164		
Benzo(k)fluoranthene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	3730	-	-	316	-	-	194		
Chrysene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	5108	-	-	490	-	-	264		
Dibenzo(a,h)anthracene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	950	-	-	<100	-	-	<100		
Fluoranthene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	10276	-	-	928	-	-	530		

Project Site		Tipner																									
Client		PCC																									
Sample Description			BHSY1	BHSY1	BHSY2	BHSY2	BHSY4	BHSY4	BHSY6	BHSY6	BHSY03	BHSY03	BHSY03	BH SY5B	BH SY5B	BH SY5B	BH SY8	BH SY8	BHSY10	BHSY10	TP SY1	TP SY1	TP SY1	TP SY4	TP SY4	TP SY4	TP SY8	TP SY8
Sample Depth			0.7-0.9	1.45-1.65	1.0	2.2	1.2-1.7	3.6-3.9	1.2	3.6-3.9	1.45	2.0	5.0	1.0	2.0	4.0	0.25-0.4	1.2	1.20	4.40-4.70	0.30	0.60	1.50	0.10	1.00	2.00	0.20	2.80
Laboratory data from the 2006 Investigation (Soils)																											
Fluorene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	534	-	-	<100	-	-	<100
Indeno(1,2,3-cd)pyrene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	2179	-	-	165	-	-	123
Naphthalene	193000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	375	-	-	<100	-	-	<100
Phenanthrene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	5364	-	-	488	-	-	282
Pyrene	B(a)P-S.A.	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	7954	-	-	731	-	-	488
Phthalates																											
Bis(2-ethylhexyl) phthalate	85200000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Butylbenzyl phthalate	940000000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Di-n-butyl phthalate	15400000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	833	-	-	<100	-	-	<100
Di-n-Octyl phthalate	89100000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Diethyl phthalate	144000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Dimethyl phthalate		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Other Semi-volatiles																											
1,2-Dichlorobenzene	2020000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
1,2,4-Trichlorobenzene	265000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
1,3-Dichlorobenzene	30000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
1,4-Dichlorobenzene	584000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
2-Nitroaniline		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
2,4-Dinitrotoluene	3720000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
2,6-Dinitrotoluene	1850000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
3-Nitroaniline		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
4-Bromophenylphenylether		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
4-Chloroaniline		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
4-Chlorophenylphenylether		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
4-Nitroaniline		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Azobenzene		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Bis(2-chloroethoxy)methane		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Bis(2-chloroethyl)ether		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Carbazole		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	607	-	-	<100	-	-	<100
Dibenzofuran		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	288	-	-	<100	-	-	<100
Hexachlorobenzene	105,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Hexachlorobutadiene	30,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Hexachlorocyclopentadiene		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Hexachloroethane	21,000	<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Isophorone		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
N-nitrosodi-n-propylamine		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
Nitrobenzene		<100 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	<100	-	-	<100
VOC's																											
Dichlorodifluoromethane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Chloromethane	960	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Vinyl Chloride	59.7	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Bromomethane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Chloroethane	904,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Trichlorofluoromethane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
trans-1-2-Dichloroethene	21,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Dichloromethane	257,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Carbon Disulphide	11,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.1-Dichloroethene	24,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.1-Dichloroethane	263,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Methyl Tertiary Butyl Ether	7,480,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
cis-1-2-Dichloroethene	14,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Bromochloromethane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Chloroform	99,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
2.2-Dichloropropane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.2-Dichloroethane	670	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.1.1-Trichloroethane	1,580,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.1-Dichloropropene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Benzene	27,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Carbontetrachloride	31,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Dibromomethane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.2-Dichloropropane	3,100	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Bromodichloromethane	2,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1

Project Site		Tipner																									
Client		PCC																									
Sample Description			BHSY1	BHSY1	BHSY2	BHSY2	BHSY4	BHSY4	BHSY6	BHSY6	BHSY03	BHSY03	BHSY03	BH SY5B	BH SY5B	BH SY5B	BH SY8	BH SY8	BHSY10	BHSY10	TP SY1	TP SY1	TP SY1	TP SY4	TP SY4	TP SY4	TP SY8	TP SY8
Sample Depth			0.7-0.9	1.45-1.65	1.0	2.2	1.2-1.7	3.6-3.9	1.2	3.6-3.9	1.45	2.0	5.0	1.0	2.0	4.0	0.25-0.4	1.2	1.20	4.40-4.70	0.30	0.60	1.50	0.10	1.00	2.00	0.20	2.80
Laboratory data from the 2006 Investigation (Soils)																											
Trichloroethene	1200	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
cis-1-3-Dichloropropene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
trans-1-3-Dichloropropene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.1.2-Trichloroethane	89,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Toluene	56,300,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	<1	-	-	<1
1.3-Dichloropropane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Dibromochloromethane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.2-Dibromoethane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Tetrachloroethene	19,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.1.1.2-Tetrachloroethane	108,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Chlorobenzene	58,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Ethylbenzene	5,710,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
p/m-Xylene	5,920,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	<1	-	-	<1
Bromoform	714,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Styrene	3,710,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.1.2.2-Tetrachloroethane	274,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
o-Xylene	5,920,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	<1	-	-	<1
1.2.3-Trichloropropane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Isopropylbenzene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Bromobenzene	91,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
2-Chlorotoluene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Propylbenzene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
4-Chlorotoluene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.2.4-Trimethylbenzene	39,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	<1	-	-	<1
4-Isopropyltoluene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.3.5-Trimethylbenzene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	<1	-	-	<1
1.2-Dichlorobenzene	2,020,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.4-Dichlorobenzene	584,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
sec-Butylbenzene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
tert-Butylbenzene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.3-Dichlorobenzene	30,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
n-Butylbenzene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.2-Dibromo-3-chloropropane		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.2.4-Trichlorobenzene		<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Naphthalene	193000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
1.2.3-Trichlorobenzene	265,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Hexachlorobutadiene	31,000	<1 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	<1	-	-	<1
Miscellaneous VOC's																											
Tetraethyl Lead	220	<10 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	<10	-	-	<10	-
Tetramethyl Lead		<10 ug/kg							-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	<10	-	-	<10	-
Acetone		<50 ug/kg																									

Project Site		Tipner																												
Client		PCC																												
Sample Description			BHSY7	BHSY7	BHSY7	BHSY7	BHSY11	BHSY11	BHSY11	TPSY11	TPSY11	TPSY11	WSLF1	WSLF1	WSLF1	WSLF3	WSLF3	WSLF4	WSLF4	WSLF4	WSLF4	WSLF9	WSLF9	WSLF9	WSLF10	WSLF10	WSLF10	WSLF10		
Sample Depth			0.3-0.5	1.0	2.0	5.5	0.8-1.0	2.5	3.45	0.4	1.0	2.2	1.8	2.9	4.9	1.7	2.6	0.3	1.5	3.5	3.7	0.8	1.3	2.5	1.5	2.5	3.8	4.5		
Laboratory data from the 2006 Investigation (Soils)																														
Metals - (Solids)																														
Boron Water Soluble	207000	<1 mg/kg	-	-	-	-	-	-	<1	1	-	-	1	-	-	-	<1	4	-	-	-	-	-	2	7	-	-	-		
Arsenic	635	<1 mg/kg	-	-	-	-	-	-	<1	5	-	-	4	-	-	-	11	15	-	-	-	-	-	7	7	-	-	-		
Cadmium	223	<1 mg/kg	-	-	-	-	-	-	<1	<1	-	-	<1	-	-	-	<1	<1	-	-	-	-	-	<1	<1	-	-	-		
Chromium	9550	<1 mg/kg	-	-	-	-	-	-	2	59	-	-	42	-	-	-	13	27	-	-	-	-	-	17	13	-	-	-		
Copper	69800	<1 mg/kg	-	-	-	-	-	-	3	25	-	-	44	-	-	-	1	6	-	-	-	-	-	5	35	-	-	-		
Lead	1390	<1 mg/kg	-	-	-	-	-	-	5	71	-	-	188	-	-	-	5	27	-	-	-	-	-	14	9	-	-	-		
Mercury	15	<1 mg/kg	-	-	-	-	-	-	<1	<1	-	-	<1	-	-	-	<1	<1	-	-	-	-	-	<1	<1	-	-	-		
Nickel	1710	<1 mg/kg	-	-	-	-	-	-	2	9	-	-	8	-	-	-	5	11	-	-	-	-	-	5	6	-	-	-		
Selenium	12300	<3 mg/kg	-	-	-	-	-	-	<3	<3	-	-	<3	-	-	-	<3	<3	-	-	-	-	-	<3	<3	-	-	-		
Vanadium	9220	<1 mg/kg	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Zinc	1050000	<1 mg/kg	-	-	-	-	-	-	15	116	-	-	95	-	-	-	17	40	-	-	-	-	-	21	25	-	-	-		
Water Soluble Sulphate as SO4 2:1 Extract		<0.003 g/l	-	-	-	-	-	-	0.024	0.235	-	-	0.081	-	-	-	0.039	0.012	-	-	-	-	-	0.139	0.517	-	-	-		
Acid Soluble Sulphide		<50 mg/kg	-	-	-	-	-	-	<50	<50	-	-	<50	-	-	-	<50	<50	-	-	-	-	-	<50	<50	-	-	-		
Phenols Total Monohydric		<0.01 mg/kg	-	-	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	<0.01	-	-	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	-	-	-	-	-		
Thiocyanate	10500	<1 mg/kg	-	-	-	-	-	-	<1	<1	-	-	<1	-	-	-	<1	<1	-	-	-	-	-	<1	<1	-	-	-		
Total Cyanide	78	<1 mg/kg	-	-	-	-	-	-	<1	<1	-	<1	<1	-	-	-	<1	<1	-	-	-	<1	-	<1	<1	-	<1	-		
Free Cyanide	78	<1 mg/kg	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	<1	-		
Complex Cyanide	78	<1 mg/kg	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	<1	-		
Asbestos Presence Screen	NONE	NONE	No Fibres De	-	-	-	-	-	No Fibres De	No Fibres De	-	-	No Fibres De	-	-	-	No Fibres De	No Fibres De	-	-	-	-	-	No Fibres De	No Fibres De	-	-	-		
Elemental Sulphur		<50 mg/kg	-	-	-	-	-	-	<50	<50	-	-	<50	-	-	-	<50	<50	-	-	-	-	-	<50	<50	-	-	-		
Fraction of Organic Carbon		<0.001 NONE	-	-	-	-	-	-	-	-	-	-	-	0.045	-	-	-	-	-	0.001	-	-	0.002	-	-	0.006	-	-		
pH Value		<1.00 pH Units	-	-	-	-	-	-	8.48	8.42	-	-	9.23	-	-	-	8.84	8.49	-	-	-	-	-	8.85	10.79	-	-	-		
Solvent Extract		<100 mg/kg	-	-	-	-	-	-	-	2164	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	934		
Amosite (Brown) Asbestos*	None		-	Fibres Detec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Chrysotile (White) Asbestos*	None		-	No Fibres De	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Crocidolite (Blue) Asbestos*	None		-	No Fibres De	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Man-made Mineral Fibre*	None		-	No Fibres De	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Organic Fibre*			-	No Fibres De	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TPH Criteria Working Group (TPH CWG)																														
GRO (C4-C12)		<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
MTBE	7,480,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Benzene	27,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Toluene	56,300,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Ethyl benzene	5,710,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
m & p Xylene	5,920,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
o Xylene	5,920,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aliphatics C5-C6	3,190,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aliphatics >C6-C8	7,780,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aliphatics >C8-C10	2,000,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aliphatics >C10-C12	9,690,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aliphatics >C12-C16	58,800,000	<100 ug/kg											-	-	73813	-	-	-	-	-	26921	-	-	5996	-	-	11110	-		
Aliphatics >C16-C21	1,910,000,000	<100 ug/kg											-	-	245643	-	-	-	-	-	245562	-	-	19067	-	-	32259	-		
Aliphatics >C21-C35	1,910,000,000	<100 ug/kg											-	-	1098281	-	-	-	-	-	127970	-	-	47863	-	-	21899	-		
Total Aliphatics C5-C35		<100 ug/kg											-	-	1417737	-	-	-	-	-	400453	-	-	72926	-	-	65268	-		
Aromatics C6-C7	26,200,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aromatics >C7-C8	56,100,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aromatics >EC8-EC10	3,460,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aromatics >EC10-EC12	16,200,000	<10 ug/kg											-	-	<10	-	-	-	-	-	<10	-	-	<10	-	-	<10	-		
Aromatics >EC12-EC16	36,200,000	<100 ug/kg											-	-	14551	-	-	-	-	-	482	-	-	130	-	-	861	-		
Aromatics >EC16-EC21	28,600,000	<100 ug/kg											-	-	9185	-	-	-	-	-	28705	-	-	122	-	-	2029	-		
Aromatics >EC21-EC35	28,600,000	<100 ug/kg											-	-	262555	-	-	-	-	-	58326	-	-	3145	-	-	15157	-		
Total Aromatics C6-C35		<100 ug/kg											-	-	286291	-	-	-	-	-	87513	-	-	3397	-	-	18047	-		
TPH (Aliphatics and Aromatics C5-C35)		<100 ug/kg											-	-	1704028	-	-	-	-	-	487966	-	-	76323	-	-	83315	-		
GRO (C4-C10)		<10 ug/kg	-	-	-	<10	-	<10	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
GRO (C4-C12)		<10 ug/kg																												
GRO (C10-C12)	5,000,000	<10 ug/kg	-	-	-	<10	-	<10	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Benzene	27,000	<10 ug/kg	-	-	-	<10	-	<10	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Toluene	56,300,000	<10 ug/kg	-	-	-	<10	-	<10	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ethyl benzene	5710000	<10 ug/kg	-	-	-	<10	-	<10	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
m & p Xylene	5,920,000	<10 ug/kg	-	-	-	<10	-	<10	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
o Xylene	5,920,000	<10 ug/kg	-	-	-	<10	-	<10	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MTBE	7,480,000	<10 ug/kg	-	-	-	<10	-	<10	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Project Site		Tipner																												
Client		PCC																												
Sample Description			BHSY7	BHSY7	BHSY7	BHSY7	BHSY11	BHSY11	BHSY11	TPSY11	TPSY11	TPSY11	WSLF1	WSLF1	WSLF1	WSLF3	WSLF3	WSLF4	WSLF4	WSLF4	WSLF4	WSLF9	WSLF9	WSLF9	WSLF10	WSLF10	WSLF10	WSLF10		
Sample Depth			0.3-0.5	1.0	2.0	5.5	0.8-1.0	2.5	3.45	0.4	1.0	2.2	1.8	2.9	4.9	1.7	2.6	0.3	1.5	3.5	3.7	0.8	1.3	2.5	1.5	2.5	3.8	4.5		
Laboratory data from the 2006 Investigation (Soils)																														
TPH C6-40		<10 mg/kg	-	-	<10	<10	<10	<10	-	-	139	<10	-	-	142	445	-	-	18	-	86	-	-	-	-	-	-			
Aliphatics C5-C6	3190000	<10 ug/kg																												
Aliphatics >C6-C8	7780000	<10 ug/kg																												
Aliphatics >C8-C10	2000000	<10 ug/kg																												
Aliphatics >C10-C12	9690000	<10 ug/kg																												
Total Aliphatics C5-C12		<10 ug/kg																												
Aromatics C6-C7	26,200,000	<10 ug/kg																												
Aromatics >C7-C8	56,100,000	<10 ug/kg																												
Aromatics >EC8-EC10	3,460,000	<10 ug/kg																												
Aromatics >EC10-EC12	16,200,000	<10 ug/kg																												
Total Aromatics C6-C12		<10 ug/kg																												
Polyaromatic Hydrocarbons (PAHs)																														
Naphthalene	193000	<10 ug/kg										-	-	<150	-	-	-	-	-	11	-	-	97	-	-	84	-			
Acenaphthylene	B(a)P-S.A.	<5 ug/kg										-	-	248	-	-	-	-	-	6	-	-	37	-	-	62	-			
Acenaphthene	B(a)P-S.A.	<14 ug/kg										-	-	273	-	-	-	-	-	<14	-	-	33	-	-	80	-			
Fluorene	B(a)P-S.A.	<12 ug/kg										-	-	333	-	-	-	-	-	16	-	-	42	-	-	118	-			
Phenanthrene	B(a)P-S.A.	<21 ug/kg										-	-	2034	-	-	-	-	-	46	-	-	418	-	-	894	-			
Anthracene	B(a)P-S.A.	<9 ug/kg										-	-	1267	-	-	-	-	-	41	-	-	186	-	-	213	-			
Fluoranthene	B(a)P-S.A.	<25 ug/kg										-	-	10337	-	-	-	-	-	142	-	-	980	-	-	1341	-			
Pyrene	B(a)P-S.A.	<22 ug/kg										-	-	9835	-	-	-	-	-	226	-	-	794	-	-	1215	-			
Benz(a)anthracene	B(a)P-S.A.	<12 ug/kg										-	-	3889	-	-	-	-	-	42	-	-	567	-	-	708	-			
Chrysene	B(a)P-S.A.	<10 ug/kg										-	-	4236	-	-	-	-	-	99	-	-	540	-	-	699	-			
Benzo(b)fluoranthene	B(a)P-S.A.	<16 ug/kg										-	-	4348	-	-	-	-	-	<16	-	-	524	-	-	654	-			
Benzo(k)fluoranthene	B(a)P-S.A.	<25 ug/kg										-	-	1635	-	-	-	-	-	<25	-	-	255	-	-	407	-			
Benzo(a)pyrene	38000	<12 ug/kg										-	-	3869	-	-	-	-	-	<12	-	-	371	-	-	761	-			
Indeno(123cd)pyrene	B(a)P-S.A.	<11 ug/kg										-	-	2505	-	-	-	-	-	<11	-	-	224	-	-	530	-			
Dibenzo(ah)anthracene	B(a)P-S.A.	<8 ug/kg										-	-	609	-	-	-	-	-	<8	-	-	49	-	-	133	-			
Benzo(ghi)perylene	B(a)P-S.A.	<10 ug/kg										-	-	3312	-	-	-	-	-	<10	-	-	241	-	-	730	-			
PAH 16 Total	%	<25 ug/kg										-	-	48730	-	-	-	-	-	629	-	-	5358	-	-	8629	-			
Others																														
Tributyl Tin*	123,000	mg/kg	-	-	-	-	-	-	-	-	-	<0.10						-	-	-	<0.10	-	-	-	-	NDP				
Triphenyl Tin*		mg/kg	-	-	-	-	-	-	-	-	-	<0.10						-	-	-	<0.10	-	-	-	-	NDP				
Dibutyl Tin*		mg/kg										<0.10						-	-	-	<0.10	-	-	-	-	NDP				
Pentachlorophenol	406,000	<1 ug/kg										2						-	-	-	<1	-	-	-	-	<1				
PCBs (vs Aroclor 1254)		<20 ug/kg										<20						-	-	-	37	-	-	-	-	67				
SVOC's																														
Phenols																														
2-Chlorophenol	2,700,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2-Methylphenol	160,000,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2-Nitrophenol		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2,4-Dichlorophenol		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2,4-Dimethylphenol	15,700,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2,4,5-Trichlorophenol	see total	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2,4,6-Trichlorophenol	see total	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
4-Chloro-3-methylphenol		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
4-Methylphenol	160,000,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
4-Nitrophenol		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Pentachlorophenol	406,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Phenol	760,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Total trichlorophenols	2700000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAHs																														
2-Chloronaphthalene	370000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2-Methylnaphthalene		<100 ug/kg										-	-	147	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Acenaphthene	B(a)P-S.A.	<100 ug/kg										-	-	1620	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Acenaphthylene	B(a)P-S.A.	<100 ug/kg										-	-	306	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Anthracene	B(a)P-S.A.	<100 ug/kg										-	-	4326	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Benzo(a)anthracene	B(a)P-S.A.	<100 ug/kg										-	-	14327	-	-	-	-	-	<100	-	-	251	-	-	251	-			
Benzo(a)pyrene	38000	<100 ug/kg										-	-	12660	-	-	-	-	-	<100	-	-	256	-	-	280	-			
Benzo(b)fluoranthene	B(a)P-S.A.	<100 ug/kg										-	-	15008	-	-	-	-	-	<100	-	-	197	-	-	184	-			
Benzo(ghi)perylene	B(a)P-S.A.	<100 ug/kg										-	-	7520	-	-	-	-	-	<100	-	-	180	-	-	206	-			
Benzo(k)fluoranthene	B(a)P-S.A.	<100 ug/kg										-	-	10557	-	-	-	-	-	<100	-	-	218	-	-	202	-			
Chrysene	B(a)P-S.A.	<100 ug/kg										-	-	13860	-	-	-	-	-	<100	-	-	318	-	-	285	-			
Dibenzo(a,h)anthracene	B(a)P-S.A.	<100 ug/kg										-	-	2158	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Fluoranthene	B(a)P-S.A.	<100 ug/kg										-	-	39349	-	-	-	-	-	<100	-	-	514	-	-	526	-			

Project Site		Tipner																												
Client		PCC																												
Sample Description			BHSY7	BHSY7	BHSY7	BHSY7	BHSY11	BHSY11	BHSY11	TPSY11	TPSY11	TPSY11	WSLF1	WSLF1	WSLF1	WSLF3	WSLF3	WSLF4	WSLF4	WSLF4	WSLF4	WSLF9	WSLF9	WSLF9	WSLF10	WSLF10	WSLF10	WSLF10			
Sample Depth			0.3-0.5	1.0	2.0	5.5	0.8-1.0	2.5	3.45	0.4	1.0	2.2	1.8	2.9	4.9	1.7	2.6	0.3	1.5	3.5	3.7	0.8	1.3	2.5	1.5	2.5	3.8	4.5			
Laboratory data from the 2006 Investigation (Soils)																														
Fluorene	B(a)P-S.A.	<100 ug/kg										-	-	1376	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Indeno(1,2,3-cd)pyrene	B(a)P-S.A.	<100 ug/kg										-	-	6424	-	-	-	-	-	<100	-	-	161	-	-	158	-			
Naphthalene	193000	<100 ug/kg										-	-	173	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Phenanthrene	B(a)P-S.A.	<100 ug/kg										-	-	11291	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Pyrene	B(a)P-S.A.	<100 ug/kg										-	-	29902	-	-	-	-	-	<100	-	-	429	-	-	509	-			
Phthalates																														
Bis(2-ethylhexyl) phthalate	85200000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Butylbenzyl phthalate	940000000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Di-n-butyl phthalate	15400000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Di-n-Octyl phthalate	89100000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Diethyl phthalate	144000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Dimethyl phthalate		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Other Semi-volatiles																														
1,2-Dichlorobenzene	2020000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
1,2,4-Trichlorobenzene	265000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
1,3-Dichlorobenzene	30000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
1,4-Dichlorobenzene	584000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2-Nitroaniline		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2,4-Dinitrotoluene	3720000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
2,6-Dinitrotoluene	1850000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
3-Nitroaniline		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
4-Bromophenylphenylether		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
4-Chloroaniline		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
4-Chlorophenylphenylether		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
4-Nitroaniline		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Azobenzene		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Bis(2-chloroethoxy)methane		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Bis(2-chloroethyl)ether		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Carbazole		<100 ug/kg										-	-	1022	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Dibenzofuran		<100 ug/kg										-	-	471	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Hexachlorobenzene	105,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Hexachlorobutadiene	30,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Hexachlorocyclopentadiene		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Hexachloroethane	21,000	<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Isophorone		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
N-nitrosodi-n-propylamine		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
Nitrobenzene		<100 ug/kg										-	-	<100	-	-	-	-	-	<100	-	-	<100	-	-	<100	-			
VOC's																														
Dichlorodifluoromethane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Chloromethane	960	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Vinyl Chloride	59.7	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Bromomethane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Chloroethane	904,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Trichlorofluoromethane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
trans-1-2-Dichloroethene	21,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Dichloromethane	257,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Carbon Disulphide	11,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
1.1-Dichloroethene	24,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
1.1-Dichloroethane	263,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Methyl Tertiary Butyl Ether	7,480,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
cis-1-2-Dichloroethene	14,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Bromochloromethane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Chloroform	99,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
2.2-Dichloropropane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
1.2-Dichloroethane	670	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
1.1.1-Trichloroethane	1,580,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
1.1-Dichloropropene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Benzene	27,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Carbontetrachloride	31,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Dibromomethane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
1.2-Dichloropropane	3,100	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			
Bromodichloromethane	2,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-			

Project Site		Tipner																											
Client		PCC																											
Sample Description			BHSY7	BHSY7	BHSY7	BHSY7	BHSY11	BHSY11	BHSY11	TPSY11	TPSY11	TPSY11	WSLF1	WSLF1	WSLF1	WSLF3	WSLF3	WSLF4	WSLF4	WSLF4	WSLF4	WSLF9	WSLF9	WSLF9	WSLF10	WSLF10	WSLF10	WSLF10		
Sample Depth			0.3-0.5	1.0	2.0	5.5	0.8-1.0	2.5	3.45	0.4	1.0	2.2	1.8	2.9	4.9	1.7	2.6	0.3	1.5	3.5	3.7	0.8	1.3	2.5	1.5	2.5	3.8	4.5		
Laboratory data from the 2006 Investigation (Soils)																													
Trichloroethene	1200	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
cis-1-3-Dichloropropene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
trans-1-3-Dichloropropene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.1.2-Trichloroethane	89,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Toluene	56,300,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.3-Dichloropropane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Dibromochloromethane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.2-Dibromoethane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Tetrachloroethene	19,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.1.1.2-Tetrachloroethane	108,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Chlorobenzene	58,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Ethylbenzene	5,710,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
p/m-Xylene	5,920,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Bromoform	714,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Styrene	3,710,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.1.2.2-Tetrachloroethane	274,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
o-Xylene	5,920,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.2.3-Trichloropropane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Isopropylbenzene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Bromobenzene	91,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
2-Chlorotoluene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Propylbenzene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
4-Chlorotoluene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.2.4-Trimethylbenzene	39,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
4-Isopropyltoluene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.3.5-Trimethylbenzene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.2-Dichlorobenzene	2,020,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.4-Dichlorobenzene	584,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
sec-Butylbenzene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
tert-Butylbenzene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.3-Dichlorobenzene	30,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
n-Butylbenzene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.2-Dibromo-3-chloropropane		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.2.4-Trichlorobenzene		<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Naphthalene	193000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
1.2.3-Trichlorobenzene	265,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Hexachlorobutadiene	31,000	<1 ug/kg										-	-	<1	-	-	-	-	-	<1	-	-	<1	-	-	<1	-		
Miscellaneous VOC's																													
Tetraethyl Lead	220	<10 ug/kg										<10						-	-	-	<10	-	-	-	-	<10			
Tetramethyl Lead		<10 ug/kg										<10						-	-	-	<10	-	-	-	-	<10			
Acetone		<50 ug/kg																											

Project Site		Tipner																
Client		PCC																
Sample Description			WSSY9	WSSY9	WSLF2	WSLF2	WSLF2	WSLF2	WSLF5	WSLF5	WSLF5	WSLF6	WSLF6	WSLF7	WSLF7	WSLF11	WSLF11	WSLF11
Sample Depth			1.3	4.3	0.15	1.5	2.5	3.5	1.3	1.5	2.5	0.5	0.8	1.5	4.5	0.8	2.55	3.5
Laboratory data from the 2006 Investigation (Soils)																		
Metals - (Solids)																		
Boron Water Soluble	207000	<1 mg/kg	5	-	4	-	-	8	2	-	-	1	-	4	-	1	-	-
Arsenic	635	<1 mg/kg	2	-	<1	-	-	7	6	-	-	11	-	6	-	6	-	-
Cadmium	223	<1 mg/kg	<1	-	<1	-	-	<1	<1	-	-	<1	-	<1	-	<1	-	-
Chromium	9550	<1 mg/kg	25	-	30	-	-	21	29	-	-	14	-	12	-	21	-	-
Copper	69800	<1 mg/kg	75	-	13	-	-	147	28	-	-	14	-	17	-	38	-	-
Lead	1390	<1 mg/kg	183	-	21	-	-	198	118	-	-	26	-	38	-	96	-	-
Mercury	15	<1 mg/kg	<1	-	<1	-	-	<1	<1	-	-	<1	-	<1	-	<1	-	-
Nickel	1710	<1 mg/kg	15	-	5	-	-	10	18	-	-	5	-	6	-	18	-	-
Selenium	12300	<3 mg/kg	<3	-	<3	-	-	<3	<3	-	-	<3	-	<3	-	<3	-	-
Vanadium	9220	<1 mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1050000	<1 mg/kg	174	-	49	-	-	151	54	-	-	48	-	75	-	142	-	-
Water Soluble Sulphate as SO4 2:1 Extract		<0.003 g/l	0.012	-	0.187	-	-	0.527	0.56	-	-	0.197	-	0.071	-	<0.003	-	-
Acid Soluble Sulphide		<50 mg/kg	<50	-	893	-	-	<50	<50	-	-	<50	-	<50	-	<50	-	-
Phenols Total Monohydric		<0.01 mg/kg	0.01	0.03	-	<0.01	-	-	-	<0.01	-	<0.01	-	<0.01	-	-	0.03	-
Thiocyanate	10500	<1 mg/kg	<1	-	1	-	-	<1	<1	-	-	<1	-	<1	-	<1	-	-
Total Cyanide	78	<1 mg/kg	<1	-	<1	-	-	<1	<1	-	-	<1	<1	<1	<1	<1	-	<1
Free Cyanide	78	<1 mg/kg	-	-	-	-	-	-	-	-	-	-	<1	-	<1	-	-	<1
Complex Cyanide	78	<1 mg/kg	-	-	-	-	-	-	-	-	-	-	<1	-	<1	-	-	<1
Asbestos Presence Screen	NONE	NONE	No Fibres De	-	No Fibres De	-	-	No Fibres De	No Fibres De	-	-	No Fibres De	-	No Fibres De	-	No Fibres De	-	-
Elemental Sulphur		<50 mg/kg	<50	-	<50	-	-	<50	<50	-	-	<50	-	<50	-	<50	-	-
Fraction of Organic Carbon		<0.001 NONE	-	-	-	-	0.003	-	-	-	0.001	-	-	-	-	-	-	-
pH Value		<1.00 pH Units	7.63	-	10.66	-	-	9.98	11.46	-	-	8.51	-	8.97	-	9.05	-	-
Solvent Extract		<100 mg/kg	-	-	-	-	-	-	-	-	-	-	319	-	4369	-	-	271
Amosite (Brown) Asbestos*	None		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysotile (White) Asbestos*	None		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crocidolite (Blue) Asbestos*	None		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Man-made Mineral Fibre*	None		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organic Fibre*			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH Criteria Working Group (TPH CWG)																		
GRO (C4-C12)		<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
MTBE	7,480,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Benzene	27,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Toluene	56,300,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Ethyl benzene	5,710,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
m & p Xylene	5,920,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
o Xylene	5,920,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aliphatics C5-C6	3,190,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aliphatics >C6-C8	7,780,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aliphatics >C8-C10	2,000,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aliphatics >C10-C12	9,690,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aliphatics >C12-C16	58,800,000	<100 ug/kg	-	-	-	-	5241	-	-	-	1100	-						
Aliphatics >C16-C21	1,910,000,000	<100 ug/kg	-	-	-	-	10626	-	-	-	2354	-						
Aliphatics >C21-C35	1,910,000,000	<100 ug/kg	-	-	-	-	12476	-	-	-	472	-						
Total Aliphatics C5-C35		<100 ug/kg	-	-	-	-	28343	-	-	-	3926	-						
Aromatics C6-C7	26,200,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aromatics >C7-C8	56,100,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aromatics >EC8-EC10	3,460,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aromatics >EC10-EC12	16,200,000	<10 ug/kg	-	-	-	-	<10	-	-	-	<10	-						
Aromatics >EC12-EC16	36,200,000	<100 ug/kg	-	-	-	-	4032	-	-	-	162	-						
Aromatics >EC16-EC21	28,600,000	<100 ug/kg	-	-	-	-	19275	-	-	-	160	-						
Aromatics >EC21-EC35	28,600,000	<100 ug/kg	-	-	-	-	70418	-	-	-	332	-						
Total Aromatics C6-C35		<100 ug/kg	-	-	-	-	93725	-	-	-	654	-						
TPH (Aliphatics and Aromatics C5-C35)		<100 ug/kg	-	-	-	-	122068	-	-	-	4580	-						
GRO (C4-C10)		<10 ug/kg	<10	-	-	<10	-	-	-	<10	-	<10	-	-	-	-	29	-
GRO (C4-C12)		<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRO (C10-C12)	5,000,000	<10 ug/kg	<10	-	-	<10	-	-	-	<10	-	<10	-	-	-	-	<10	-
Benzene	27,000	<10 ug/kg	<10	-	-	<10	-	-	-	<10	-	<10	-	-	-	-	<10	-
Toluene	56,300,000	<10 ug/kg	<10	-	-	<10	-	-	-	<10	-	<10	-	-	-	-	<10	-
Ethyl benzene	5710000	<10 ug/kg	<10	-	-	<10	-	-	-	<10	-	<10	-	-	-	-	<10	-
m & p Xylene	5,920,000	<10 ug/kg	<10	-	-	<10	-	-	-	<10	-	<10	-	-	-	-	29	-
o Xylene	5,920,000	<10 ug/kg	<10	-	-	<10	-	-	-	<10	-	<10	-	-	-	-	<10	-
MTBE	7,480,000	<10 ug/kg	<10	-	-	<10	-	-	-	<10	-	<10	-	-	-	-	<10	-

Project Site		Tipner																
Client		PCC																
Sample Description			WSSY9	WSSY9	WSLF2	WSLF2	WSLF2	WSLF2	WSLF5	WSLF5	WSLF5	WSLF6	WSLF6	WSLF7	WSLF7	WSLF11	WSLF11	WSLF11
Sample Depth			1.3	4.3	0.15	1.5	2.5	3.5	1.3	1.5	2.5	0.5	0.8	1.5	4.5	0.8	2.55	3.5
Laboratory data from the 2006 Investigation (Soils)																		
TPH C6-40		<10 mg/kg	<10	<10	-	209	-	-	-	<10	-	397	-	82	-	-	8430	-
Aliphatics C5-C6	3190000	<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C6-C8	7780000	<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C8-C10	2000000	<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C10-C12	9690000	<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Aliphatics C5-C12		<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics C6-C7	26,200,000	<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >C7-C8	56,100,000	<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC8-EC10	3,460,000	<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	16,200,000	<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Aromatics C6-C12		<10 ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polyaromatic Hydrocarbons (PAHs)																		
Naphthalene	193000	<10 ug/kg	-	-	-	-	160	-	-	-	19	-						
Acenaphthylene	B(a)P-S.A.	<5 ug/kg	-	-	-	-	120	-	-	-	<5	-						
Acenaphthene	B(a)P-S.A.	<14 ug/kg	-	-	-	-	419	-	-	-	18	-						
Fluorene	B(a)P-S.A.	<12 ug/kg	-	-	-	-	353	-	-	-	36	-						
Phenanthrene	B(a)P-S.A.	<21 ug/kg	-	-	-	-	2813	-	-	-	49	-						
Anthracene	B(a)P-S.A.	<9 ug/kg	-	-	-	-	884	-	-	-	<9	-						
Fluoranthene	B(a)P-S.A.	<25 ug/kg	-	-	-	-	4960	-	-	-	<25	-						
Pyrene	B(a)P-S.A.	<22 ug/kg	-	-	-	-	3966	-	-	-	<22	-						
Benz(a)anthracene	B(a)P-S.A.	<12 ug/kg	-	-	-	-	2293	-	-	-	17	-						
Chrysene	B(a)P-S.A.	<10 ug/kg	-	-	-	-	2183	-	-	-	<10	-						
Benzo(b)fluoranthene	B(a)P-S.A.	<16 ug/kg	-	-	-	-	2777	-	-	-	<16	-						
Benzo(k)fluoranthene	B(a)P-S.A.	<25 ug/kg	-	-	-	-	1155	-	-	-	<25	-						
Benzo(a)pyrene	38000	<12 ug/kg	-	-	-	-	2301	-	-	-	<12	-						
Indeno(123cd)pyrene	B(a)P-S.A.	<11 ug/kg	-	-	-	-	1322	-	-	-	18	-						
Dibenzo(ah)anthracene	B(a)P-S.A.	<8 ug/kg	-	-	-	-	592	-	-	-	9	-						
Benzo(ghi)perylene	B(a)P-S.A.	<10 ug/kg	-	-	-	-	1614	-	-	-	18	-						
PAH 16 Total	%	<25 ug/kg	-	-	-	-	27912	-	-	-	184	-						
Others																		
Tributyl Tin*	123,000	mg/kg	-	-									<0.10	-	<0.10	-	<0.10	-
Triphenyl Tin*		mg/kg	-	-									<0.10	-	<0.10	-	<0.10	-
Dibutyl Tin*		mg/kg	-	-									<0.10	-	<0.10	-	<0.10	-
Pentachlorophenol	406,000	<1 ug/kg	-	-									<1	-	<1	-	<1	-
PCBs (vs Aroclor 1254)		<20 ug/kg	-	-									<20	-	186	-	630	-
SVOC's																		
Phenols																		
2-Chlorophenol	2,700,000	<100 ug/kg	-	-														
2-Methylphenol	160,000,000	<100 ug/kg	-	-														
2-Nitrophenol		<100 ug/kg	-	-														
2,4-Dichlorophenol		<100 ug/kg	-	-														
2,4-Dimethylphenol	15,700,000	<100 ug/kg	-	-														
2,4,5-Trichlorophenol	see total	<100 ug/kg	-	-														
2,4,6-Trichlorophenol	see total	<100 ug/kg	-	-														
4-Chloro-3-methylphenol		<100 ug/kg	-	-														
4-Methylphenol	160,000,000	<100 ug/kg	-	-														
4-Nitrophenol		<100 ug/kg	-	-														
Pentachlorophenol	406,000	<100 ug/kg	-	-														
Phenol	760,000	<100 ug/kg	-	-														
Total trichlorophenols	2700000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAHs																		
2-Chloronaphthalene	370000	<100 ug/kg	-	-														
2-Methylnaphthalene		<100 ug/kg	-	-														
Acenaphthene	B(a)P-S.A.	<100 ug/kg	-	-														
Acenaphthylene	B(a)P-S.A.	<100 ug/kg	-	-														
Anthracene	B(a)P-S.A.	<100 ug/kg	-	-														
Benzo(a)anthracene	B(a)P-S.A.	<100 ug/kg	-	-														
Benzo(a)pyrene	38000	<100 ug/kg	-	-														
Benzo(b)fluoranthene	B(a)P-S.A.	<100 ug/kg	-	-														
Benzo(ghi)perylene	B(a)P-S.A.	<100 ug/kg	-	-														
Benzo(k)fluoranthene	B(a)P-S.A.	<100 ug/kg	-	-														
Chrysene	B(a)P-S.A.	<100 ug/kg	-	-														
Dibenzo(a,h)anthracene	B(a)P-S.A.	<100 ug/kg	-	-														
Fluoranthene	B(a)P-S.A.	<100 ug/kg	-	-														

Project Site		Tipner																
Client		PCC																
Sample Description			WSSY9	WSSY9	WSLF2	WSLF2	WSLF2	WSLF2	WSLF5	WSLF5	WSLF5	WSLF6	WSLF6	WSLF7	WSLF7	WSLF11	WSLF11	WSLF11
Sample Depth			1.3	4.3	0.15	1.5	2.5	3.5	1.3	1.5	2.5	0.5	0.8	1.5	4.5	0.8	2.55	3.5
Laboratory data from the 2006 Investigation (Soils)																		
Fluorene	B(a)P-S.A.	<100 ug/kg	-	-														
Indeno(1,2,3-cd)pyrene	B(a)P-S.A.	<100 ug/kg	-	-														
Naphthalene	193000	<100 ug/kg	-	-														
Phenanthrene	B(a)P-S.A.	<100 ug/kg	-	-														
Pyrene	B(a)P-S.A.	<100 ug/kg	-	-														
Phthalates																		
Bis(2-ethylhexyl) phthalate	85200000	<100 ug/kg	-	-														
Butylbenzyl phthalate	940000000	<100 ug/kg	-	-														
Di-n-butyl phthalate	15400000	<100 ug/kg	-	-														
Di-n-Octyl phthalate	89100000	<100 ug/kg	-	-														
Diethyl phthalate	144000	<100 ug/kg	-	-														
Dimethyl phthalate		<100 ug/kg	-	-														
Other Semi-volatiles																		
1,2-Dichlorobenzene	2020000	<100 ug/kg	-	-														
1,2,4-Trichlorobenzene	265000	<100 ug/kg	-	-														
1,3-Dichlorobenzene	30000	<100 ug/kg	-	-														
1,4-Dichlorobenzene	584000	<100 ug/kg	-	-														
2-Nitroaniline		<100 ug/kg	-	-														
2,4-Dinitrotoluene	3720000	<100 ug/kg	-	-														
2,6-Dinitrotoluene	1850000	<100 ug/kg	-	-														
3-Nitroaniline		<100 ug/kg	-	-														
4-Bromophenylphenylether		<100 ug/kg	-	-														
4-Chloroaniline		<100 ug/kg	-	-														
4-Chlorophenylphenylether		<100 ug/kg	-	-														
4-Nitroaniline		<100 ug/kg	-	-														
Azobenzene		<100 ug/kg	-	-														
Bis(2-chloroethoxy)methane		<100 ug/kg	-	-														
Bis(2-chloroethyl)ether		<100 ug/kg	-	-														
Carbazole		<100 ug/kg	-	-														
Dibenzofuran		<100 ug/kg	-	-														
Hexachlorobenzene	105,000	<100 ug/kg	-	-														
Hexachlorobutadiene	30,000	<100 ug/kg	-	-														
Hexachlorocyclopentadiene		<100 ug/kg	-	-														
Hexachloroethane	21,000	<100 ug/kg	-	-														
Isophorone		<100 ug/kg	-	-														
N-nitrosodi-n-propylamine		<100 ug/kg	-	-														
Nitrobenzene		<100 ug/kg	-	-														
VOC's																		
Dichlorodifluoromethane		<1 ug/kg	-	-														
Chloromethane	960	<1 ug/kg	-	-														
Vinyl Chloride	59.7	<1 ug/kg	-	-														
Bromomethane		<1 ug/kg	-	-														
Chloroethane	904,000	<1 ug/kg	-	-														
Trichlorofluoromethane		<1 ug/kg	-	-														
trans-1-2-Dichloroethene	21,000	<1 ug/kg	-	-														
Dichloromethane	257,000	<1 ug/kg	-	-														
Carbon Disulphide	11,000	<1 ug/kg	-	-														
1.1-Dichloroethene	24,000	<1 ug/kg	-	-														
1.1-Dichloroethane	263,000	<1 ug/kg	-	-														
Methyl Tertiary Butyl Ether	7,480,000	<1 ug/kg	-	-														
cis-1-2-Dichloroethene	14,000	<1 ug/kg	-	-														
Bromochloromethane		<1 ug/kg	-	-														
Chloroform	99,000	<1 ug/kg	-	-														
2.2-Dichloropropane		<1 ug/kg	-	-														
1.2-Dichloroethane	670	<1 ug/kg	-	-														
1.1.1-Trichloroethane	1,580,000	<1 ug/kg	-	-														
1.1-Dichloropropene		<1 ug/kg	-	-														
Benzene	27,000	<1 ug/kg	-	-														
Carbontetrachloride	31,000	<1 ug/kg	-	-														
Dibromomethane		<1 ug/kg	-	-														
1.2-Dichloropropane	3,100	<1 ug/kg	-	-														
Bromodichloromethane	2,000	<1 ug/kg	-	-														

Project Site		Tipner																
Client		PCC																
Sample Description			WSSY9	WSSY9	WSLF2	WSLF2	WSLF2	WSLF2	WSLF5	WSLF5	WSLF5	WSLF6	WSLF6	WSLF7	WSLF7	WSLF11	WSLF11	WSLF11
Sample Depth			1.3	4.3	0.15	1.5	2.5	3.5	1.3	1.5	2.5	0.5	0.8	1.5	4.5	0.8	2.55	3.5
Laboratory data from the 2006 Investigation (Soils)																		
Trichloroethene	1200	<1 ug/kg	-	-														
cis-1-3-Dichloropropene		<1 ug/kg	-	-														
trans-1-3-Dichloropropene		<1 ug/kg	-	-														
1.1.2-Trichloroethane	89,000	<1 ug/kg	-	-														
Toluene	56,300,000	<1 ug/kg	-	-														
1.3-Dichloropropane		<1 ug/kg	-	-														
Dibromochloromethane		<1 ug/kg	-	-														
1.2-Dibromoethane		<1 ug/kg	-	-														
Tetrachloroethene	19,000	<1 ug/kg	-	-														
1.1.1.2-Tetrachloroethane	108,000	<1 ug/kg	-	-														
Chlorobenzene	58,000	<1 ug/kg	-	-														
Ethylbenzene	5,710,000	<1 ug/kg	-	-														
p/m-Xylene	5,920,000	<1 ug/kg	-	-														
Bromoform	714,000	<1 ug/kg	-	-														
Styrene	3,710,000	<1 ug/kg	-	-														
1.1.2.2-Tetrachloroethane	274,000	<1 ug/kg	-	-														
o-Xylene	5,920,000	<1 ug/kg	-	-														
1.2.3-Trichloropropane		<1 ug/kg	-	-														
Isopropylbenzene		<1 ug/kg	-	-														
Bromobenzene	91,000	<1 ug/kg	-	-														
2-Chlorotoluene		<1 ug/kg	-	-														
Propylbenzene		<1 ug/kg	-	-														
4-Chlorotoluene		<1 ug/kg	-	-														
1.2.4-Trimethylbenzene	39,000	<1 ug/kg	-	-														
4-Isopropyltoluene		<1 ug/kg	-	-														
1.3.5-Trimethylbenzene		<1 ug/kg	-	-														
1.2-Dichlorobenzene	2,020,000	<1 ug/kg	-	-														
1.4-Dichlorobenzene	584,000	<1 ug/kg	-	-														
sec-Butylbenzene		<1 ug/kg	-	-														
tert-Butylbenzene		<1 ug/kg	-	-														
1.3-Dichlorobenzene	30,000	<1 ug/kg	-	-														
n-Butylbenzene		<1 ug/kg	-	-														
1.2-Dibromo-3-chloropropane		<1 ug/kg	-	-														
1.2.4-Trichlorobenzene		<1 ug/kg	-	-														
Naphthalene	193000	<1 ug/kg	-	-														
1.2.3-Trichlorobenzene	265,000	<1 ug/kg	-	-														
Hexachlorobutadiene	31,000	<1 ug/kg	-	-														
Miscellaneous VOC's																		
Tetraethyl Lead	220	<10 ug/kg	-	-	-	-	-	-	-	-	-	-	<10	-	<10	-	NDP	-
Tetramethyl Lead		<10 ug/kg	-	-	-	-	-	-	-	-	-	-	<10	-	<10	-	NDP	-
Acetone		<50 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix E

CONTROLLED WATERS SCREENING TABLES

CONFIDENTIAL

PRE-REPORT DATA CHECK

The following results do not have a sample matrix (SampleMatrix) entered.
These results cannot be mapped or reported.
Check that a **valid test type** is entered and **Recalculate Current Table** in gINT

CNMT

PointId	Depth	Samp Ref	Samp Type	Analyte Code	Test Type	Test (suite)	Method
TP1	0.10		ES	24DNT		SUB	SUB
TP1	0.10		ES	26DNT		SUB	SUB
TP1	0.10		ES	EGDN		SUB	SUB
TP1	0.10		ES	HNS		SUB	SUB
TP1	0.10		ES	HMX		SUB	SUB
TP1	0.10		ES	NC		SUB	SUB
TP1	0.10		ES	NGLC		SUB	SUB
TP1	0.10		ES	PICA		SUB	SUB
TP1	0.10		ES	PCRT		SUB	SUB
TP1	0.10		ES	RDX		SUB	SUB
TP1	0.10		ES	TTRYL		SUB	SUB
TP1	0.10		ES	TNT		SUB	SUB
WS1	0.20		ES	HNS		SUB	SUB
WS1	0.20		ES	HMX		SUB	SUB
WS1	0.20		ES	NC		SUB	SUB
WS1	0.20		ES	NGLC		SUB	SUB
WS1	0.20		ES	PICA		SUB	SUB
WS1	0.20		ES	24DNT		SUB	SUB
WS1	0.20		ES	26DNT		SUB	SUB
WS1	0.20		ES	EGDN		SUB	SUB
WS1	0.20		ES	PCRT		SUB	SUB
WS1	0.20		ES	RDX		SUB	SUB
WS1	0.20		ES	TTRYL		SUB	SUB
WS1	0.20		ES	TNT		SUB	SUB
WS5	0.00		ES	26DNT		SUB	SUB
WS5	0.00		ES	EGDN		SUB	SUB
WS5	0.00		ES	HNS		SUB	SUB
WS5	0.00		ES	HMX		SUB	SUB
WS5	0.00		ES	NC		SUB	SUB
WS5	0.00		ES	24DNT		SUB	SUB
WS5	0.00		ES	NGLC		SUB	SUB
WS5	0.00		ES	PICA		SUB	SUB
WS5	0.00		ES	PCRT		SUB	SUB
WS5	0.00		ES	RDX		SUB	SUB
WS5	0.00		ES	TTRYL		SUB	SUB
WS5	0.00		ES	TNT		SUB	SUB
WS8	0.30		ES	EGDN		SUB	SUB
WS8	0.30		ES	HNS		SUB	SUB
WS8	0.30		ES	HMX		SUB	SUB
WS8	0.30		ES	NC		SUB	SUB
WS8	0.30		ES	NGLC		SUB	SUB
WS8	0.30		ES	24DNT		SUB	SUB
WS8	0.30		ES	26DNT		SUB	SUB
WS8	0.30		ES	PICA		SUB	SUB
WS8	0.30		ES	PCRT		SUB	SUB
WS8	0.30		ES	RDX		SUB	SUB
WS8	0.30		ES	TTRYL		SUB	SUB
WS8	0.30		ES	TNT		SUB	SUB
BH2	0.20		ES	NC		SUB	SUB
BH2	0.20		ES	NGLC		SUB	SUB
BH2	0.20		ES	PICA		SUB	SUB
BH2	0.20		ES	PCRT		SUB	SUB
BH2	0.20		ES	RDX		SUB	SUB
BH2	0.20		ES	24DNT		SUB	SUB
BH2	0.20		ES	26DNT		SUB	SUB
BH2	0.20		ES	EGDN		SUB	SUB
BH2	0.20		ES	HNS		SUB	SUB
BH2	0.20		ES	HMX		SUB	SUB
BH2	0.20		ES	TTRYL		SUB	SUB
BH2	0.20		ES	TNT		SUB	SUB

Region	Wales and England	**Hardness**	NA
Water Body	Surface water	**Recieving surface water status**	NA
Water Body Type	Coastal		
Surface Water Type	NA	**Altitude**	NA

LEACHATE

Site Area(s) selected: Whole site
Event selected: All events

Alkali and Alkaline Earth Metals — Aquifer: N/A

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH10	BH3	BH8	HP1	TP4	WS1	WS2a	WS4
					Response Zone Depth (m bgl)	0.4	0.2	0.6 - 0.8	0.25	0.1	0.4 - 0.5	0.3 - 0.5	0.4
					Sample Date	19/02/21	16/02/21	02/03/21	12/03/21	17/02/21	15/02/21	15/02/21	
Barium	ug/l					3.9	5.26	4.44	57	15.3	1.9	12.9	11.8
Beryllium	ug/l					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

LEACHATE

Site Area(s) selected: Whole site
Event selected: All events

General Chemistry — Aquifer: N/A

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH10	BH3	BH8	HP1	TP4	WS1	WS2a	WS4
					Response Zone Depth (m bgl)	0.4	0.2	0.6 - 0.8	0.25	0.1	0.4 - 0.5	0.3 - 0.5	0.4
					Sample Date	19/02/21	16/02/21	02/03/21	12/03/21	17/02/21	15/02/21	15/02/21	
Electrical conductivity	uS/cm					81.3	156	103	189	117	72.3	619	138

LEACHATE

Site Area(s) selected: Whole site
Event selected: All events

Metals — Aquifer: N/A

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH10	BH3	BH8	HP1	TP4	WS1	WS2a	WS4
					Response Zone Depth (m bgl)	0.4	0.2	0.6 - 0.8	0.25	0.1	0.4 - 0.5	0.3 - 0.5	0.4
					Sample Date	19/02/21	16/02/21	02/03/21	12/03/21	17/02/21	15/02/21	15/02/21	
Arsenic	ug/l		EQS 2015 - Trans	25.0		0.909	1.45	9.05	0.696	4.58	9.19	0.988	8.36
Cadmium	ug/l		EQS 2015 - Trans	0.20		<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Copper	ug/l		EQS 2015 - Trans	3.76		<0.3	<0.3	4.27	12.1	7.01	<0.3	5.31	2.15
Lead	ug/l		EQS 2015 - Trans	1.30		15.3	1.42	1.14	1.5	7.24	2.67	<0.2	0.579
Mercury	ug/l		EQS 2015 - Trans MAC	0.070		<0.01	<0.01	<0.01	<0.01	0.0147	<0.01	0.011	<0.01
Nickel	ug/l		EQS 2015 - Trans	8.60		<0.4	0.407	<0.4	0.734	<0.4	<0.4	0.413	1.1
Selenium	ug/l					<1	<1	1.22	<1	<1	<1	<1	<1
Zinc	ug/l		EQS 2015 - Trans	6.80		2.1	1.99	1.51	6.69	7.31	<1	<1	1.66

LEACHATE

Site Area(s) selected: Whole site
Event selected: All events

Physical — Aquifer: N/A

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH10	BH3	BH8	HP1	TP4	WS1	WS2a	WS4
					Response Zone Depth (m bgl)	0.4	0.2	0.6 - 0.8	0.25	0.1	0.4 - 0.5	0.3 - 0.5	0.4
					Sample Date	19/02/21	16/02/21	02/03/21	12/03/21	17/02/21	15/02/21	15/02/21	
Temperature	DegC					20.3	18.3	16.8	17.7	19.1	18.2	19.8	20.4

WATER

Site Area(s) selected: Whole site
Event selected: All events

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Tetrabutyl Tin (Unrecognised code)	ug/l	0.002 - 0.012				<0.012	<0.002	<0.002	<0.002	<0.012	<0.012	<0.012	<0.0024	<0.002	<0.012	<0.002
Tin Surrogate (Unrecognised code)	%					72.5	86.5	81.8	84	76.9	88.3	80.8	76.7	85.3	71.1	80.6

WATER

Site Area(s) selected: Whole site
Event selected: All events

Aliphatics and Aromatics

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Aliphatic C05-C06	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C06-C08	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C08-C10	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C10-C12	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C12-C16	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C16-C21	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C16-C35	ug/l	10.0				<10	<10	79	<10	76	<10	<10	<10	<10	<10	<10
Aliphatic C21-C35	ug/l	10.0				<10	<10	79	<10	76	<10	<10	<10	<10	<10	<10
Aliphatics C12-C35	ug/l	10.0				<10	<10	79	<10	76	<10	<10	<10	<10	<10	<10
Aromatic C06-C07	ug/l	10.0	CL:AIRE 2017	8.00		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C07-C08	ug/l	10.0	CL:AIRE 2017	74.0		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C08-C10	ug/l	10.0	CL:AIRE 2017	20.0		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C10-C12	ug/l	10.0	CL:AIRE 2017	2.00		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C12-C16	ug/l	10.0	CL:AIRE 2017	2.00		15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C12-C35	ug/l	10.0				15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C16-C21	ug/l	10.0	CL:AIRE 2017	0.10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C21-C35	ug/l	10.0	CL:AIRE 2017	0.0002		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aliphatics and Aromatics (C5-C35)	ug/l	10.0				15	<10	79	<10	76	<10	<10	<10	<10	<10	<10

WATER

Site Area(s) selected: Whole site
Event selected: All events

Alkali and Alkaline Earth Metals

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Barium	ug/l	0.20 - 1.20				18.7	13.7	51	38	17.8	76.6	84.8	39.5	9.88	41.4	78.7
Beryllium	ug/l	0.10 - 0.60				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.6	<0.6	<0.1

WATER

Site Area(s) selected: Whole site
Event selected: All events

BTEX and Fuel Additives

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,2,4-Trimethylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	ug/l	1.00	EQS 2015 - Trans	8.00		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX	ug/l	28.0				<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28
Ethylbenzene	ug/l	1.00	Proposed EQS	20.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl t-butylether(MTBE)	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tertiary Amyl Methyl Ether (TAME)	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	1.00	EQS 2015 - Trans	74.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene - Total (Summed)	ug/l	-999				1	1	1	1	1	1	1	1	1	1	1
Xylene-m & p	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene-o	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Chlorinated Aliphatics

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,1,1,2-Tetrachloroethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/l	1.00	EQS 2015 - Trans	10.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/l	1.00	EQS 2015 - Trans	12.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	1.00	EQS 2015 - Trans	2.50		<1	<1	<1	<1	2.25	<1	<1	<1	<1	<1	<1
Chloromethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis 1,2-Dichloroethene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis 1,3-Dichloropropene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ug/l	3.00	EQS 2015 - Trans	20.0		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Hexachlorobutadiene	ug/l	1.00	EQS 2015 - Trans MAC	0.60		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachloroethane	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Chlorinated Aliphatics — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Tetrachloroethene (PCE)	ug/l	1.00	EQS 2015 - Trans	10.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene (TCE)	ug/l	1.00	EQS 2015 - Trans	10.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Chlorinated Aromatics

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,2,3-Trichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorotoluene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	ug/l	1.00 - 10.0	EQS 2015 - Trans MAC	0.050		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Chlorinated Phenols — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2,4,5-Trichlorophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2,4,6-Trichlorophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2,4-Dichlorophenol	ug/l	1.00 - 10.0	EQS 2015 - Trans	0.42		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Chlorophenols - Total (Summed Isomers)	ug/l	-999				4	10	10	10	1	1	1	8	1	1	1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Dioxins and Furans

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Dibenzofuran	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Dyes

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
3-Nitroaniline	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Nitroaniline	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Explosives

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2,4-Dinitrotoluene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2,6-Dinitrotoluene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Halogonated Hydrocarbons

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,2-Dibromo-3-Chloropropane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/l	1.00				<1	<1	<1	<1	3.23	<1	<1	<1	<1	<1	<1
Bromoform	ug/l	1.00				<1	<1	<1	<1	3.36	<1	<1	<1	<1	<1	<1
Bromomethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	ug/l	1.00				<1	<1	<1	<1	5.91	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Inorganics

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Cyanide	ug/l	5.00	EQS 2015 - Trans - Assumes Free	1.00		<5	<5	<5	<5	<5	70	<5	<5	<5	<5	<5

WATER

Site Area(s) selected: Whole site
Event selected: All events

INSITU

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Dissolved Oxygen	mg/l							9.6	9.6		12				12	
Electrical Conductivity	uS/cm					5365	5365	2938	2938	618.5	42783	8795	8795	50665	46609	19645
Redox Potential	mV					72.2	72.2	58.8	58.8	80.9	86.3	-65.9	-65.9	150.5	-47.4	79.6
Temperature	degC					9.7	9.7	8.1	8.1	8	9.2	9.4	9.4	6.9	9.1	10.1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Ketones

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Isophorone	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Metals

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Arsenic	ug/l	0.50 - 3.00	EQS 2015 - Trans	25.0		21.4	3.5	2.74	4.83	1.44	6.23	4.68	5.43	<3	<3	5.23
Cadmium	ug/l	0.080 - 0.48	EQS 2015 - Trans	0.20		0.156	<0.08	<0.08	<0.08	<0.08	0.199	0.0811	<0.08	<0.48	<0.48	1.61
Copper	ug/l	0.30 - 1.80	EQS 2015 - Trans	3.76		5.01	0.34	2.41	0.961	0.505	2.97	2.84	<0.3	<1.8	<1.8	4.35
Hexavalent Chromium	ug/l	3.00	EQS 2015 - Trans	0.60		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Lead	ug/l	0.20 - 1.20	EQS 2015 - Trans	1.30		1.48	<0.2	1.51	0.555	2.43	1.38	0.511	<0.2	<1.2	<1.2	0.241
Mercury	ug/l	0.010	EQS 2015 - Trans MAC	0.070		<0.01	<0.01	<0.01	<0.01	0.0127	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel	ug/l	0.40 - 2.40	EQS 2015 - Trans	8.60		16.7	5.25	10.5	5.49	1.01	7.25	18.7	5.64	<2.4	9.12	176
Selenium	ug/l	1.00 - 6.00				8.89	1.5	6.73	3.22	<1	2.25	9.86	<1	<6	<6	2.6
Zinc	ug/l	1.00 - 6.00	EQS 2015 - Trans	6.80		10.1	135	23.2	30	5.18	20.6	17.1	13.5	7.58	23.2	30.9

WATER

Site Area(s) selected: Whole site
Event selected: All events

Other

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2-Chloronaphthalene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Bromophenylphenyl ether	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Chloroaniline	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Chlorophenyl phenyl ether	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Azobenzene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Bis (2-chloroethoxy) methane	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Bis (2-chloroethyl) ether	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Carbazole	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Carbon Disulphide	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Catechol	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthols	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrobenzene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
n-Nitrosodi-n-Propylamine	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Resorcinol	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

WATER

Site Area(s) selected: Whole site
Event selected: All events

PAHs

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2-Methylnaphthalene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Acenaphthene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Acenaphthylene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Anthracene	ug/l	1.00 - 10.0	EQS 2015 - Trans	0.10		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (a) anthracene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (a) pyrene	ug/l	1.00 - 10.0	EQS 2015 - Trans	0.0002		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (b) fluoranthene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (ghi) perylene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (k) fluoranthene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Chrysene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Dibenzo (ah) anthracene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Fluoranthene	ug/l	1.00 - 10.0	EQS 2015 - Trans	0.006		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Fluorene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Indeno (1,2,3-cd) pyrene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Naphthalene	ug/l	1.00	EQS 2015 - Trans	2.00		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenanthrene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Pyrene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Pesticides, Herbicides and Insecticides — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Dibutyl tin	ug/l	0.005 - 0.030				<0.03	<0.005	<0.005	<0.005	<0.03	<0.03	<0.03	<0.006	<0.005	<0.03	<0.005
Hexachlorocyclopentadiene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Pentachlorophenol	ug/l	1.00 - 10.0	EQS 2015 - Trans	0.40		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Tributyl tin	ug/l	0.001 - 0.006	EQS 2015 - Trans	0.0002		<0.006	<0.001	<0.001	<0.001	<0.006	<0.006	<0.006	<0.0012	<0.001	<0.006	<0.001

WATER

Site Area(s) selected: Whole site
Event selected: All events

Pharmaceuticals

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2-Nitroaniline	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Phenols

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2,4-Dimethylphenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2-IsoPropylphenol	ug/l	6.00				<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
2-Methylphenol (o-Cresol)	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2-Nitrophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Methylphenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Nitrophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Methylphenols Total (Summed)	ug/l	-999				4	10	10	10	1	1	1	8	1	1	1
Phenol	ug/l	1.00 - 2.00	EQS 2015 - Trans	7.70		<2	<2	<2	<2	<1	<1	<1	<2	<1	<1	<1
Phenols, Total Detected8 Speciated	ug/l	45.0				<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45
Trimethylphenols	ug/l	3.00				<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenols	ug/l	8.00				<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8

WATER

Site Area(s) selected: Whole site
Event selected: All events

Phthalates

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Bis (2-ethylhexyl) phthalate	ug/l	2.00 - 20.0	EQS 2015 - Trans	1.30		<8	<20	<20	<20	2.78	<2	<2	<16	<2	<2	<2
Butyl benzyl phthalate	ug/l	1.00 - 10.0	EQS 2015 - Trans	0.75		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Di-n-butyl phthalate	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

QA Standard | **Aquifer: No aquifer entered**

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
4-Bromofluorobenzene	%					94.4	93.8	92.1	94.7	94.2	92.7	93.8	93.9	92.7	93.5	92.5
Dibromofluoromethane	%					104	110	102	112	113	109	111	115	103	110	111
Toluene-d8 Surrogate	%					99.7	98.6	98.3	97.8	98.7	99.2	96.8	96.6	100	97.6	98.2

WATER

Site Area(s) selected: Whole site
Event selected: All events

TPH/EPH

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
GRO Surrogate	%					94	89	101	101	93	98	93	105	88	93	88
PRO (C5-C12)	ug/l	50.0				<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50

WATER

Site Area(s) selected: Whole site
Event selected: All events

VOCs

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
4-Isopropyltoluene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
iso-Propylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sec-Butylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tert-Butylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

PRE-REPORT DATA CHECK

The following results do not have a sample matrix (SampleMatrix) entered.
These results cannot be mapped or reported.
Check that a **valid test type** is entered and **Recalculate Current Table** in gINT

CNMT

PointId	Depth	Samp Ref	Samp Type	Analyte Code	Test Type	Test (suite)	Method
TP1	0.10		ES	24DNT		SUB	SUB
TP1	0.10		ES	26DNT		SUB	SUB
TP1	0.10		ES	EGDN		SUB	SUB
TP1	0.10		ES	HNS		SUB	SUB
TP1	0.10		ES	HMX		SUB	SUB
TP1	0.10		ES	NC		SUB	SUB
TP1	0.10		ES	NGLC		SUB	SUB
TP1	0.10		ES	PICA		SUB	SUB
TP1	0.10		ES	PCRT		SUB	SUB
TP1	0.10		ES	RDX		SUB	SUB
TP1	0.10		ES	TTRYL		SUB	SUB
TP1	0.10		ES	TNT		SUB	SUB
WS1	0.20		ES	HNS		SUB	SUB
WS1	0.20		ES	HMX		SUB	SUB
WS1	0.20		ES	NC		SUB	SUB
WS1	0.20		ES	NGLC		SUB	SUB
WS1	0.20		ES	PICA		SUB	SUB
WS1	0.20		ES	24DNT		SUB	SUB
WS1	0.20		ES	26DNT		SUB	SUB
WS1	0.20		ES	EGDN		SUB	SUB
WS1	0.20		ES	PCRT		SUB	SUB
WS1	0.20		ES	RDX		SUB	SUB
WS1	0.20		ES	TTRYL		SUB	SUB
WS1	0.20		ES	TNT		SUB	SUB
WS5	0.00		ES	26DNT		SUB	SUB
WS5	0.00		ES	EGDN		SUB	SUB
WS5	0.00		ES	HNS		SUB	SUB
WS5	0.00		ES	HMX		SUB	SUB
WS5	0.00		ES	NC		SUB	SUB
WS5	0.00		ES	24DNT		SUB	SUB
WS5	0.00		ES	NGLC		SUB	SUB
WS5	0.00		ES	PICA		SUB	SUB
WS5	0.00		ES	PCRT		SUB	SUB
WS5	0.00		ES	RDX		SUB	SUB
WS5	0.00		ES	TTRYL		SUB	SUB
WS5	0.00		ES	TNT		SUB	SUB
WS8	0.30		ES	EGDN		SUB	SUB
WS8	0.30		ES	HNS		SUB	SUB
WS8	0.30		ES	HMX		SUB	SUB
WS8	0.30		ES	NC		SUB	SUB
WS8	0.30		ES	NGLC		SUB	SUB
WS8	0.30		ES	24DNT		SUB	SUB
WS8	0.30		ES	26DNT		SUB	SUB
WS8	0.30		ES	PICA		SUB	SUB
WS8	0.30		ES	PCRT		SUB	SUB
WS8	0.30		ES	RDX		SUB	SUB
WS8	0.30		ES	TTRYL		SUB	SUB
WS8	0.30		ES	TNT		SUB	SUB
BH2	0.20		ES	NC		SUB	SUB
BH2	0.20		ES	NGLC		SUB	SUB
BH2	0.20		ES	PICA		SUB	SUB
BH2	0.20		ES	PCRT		SUB	SUB
BH2	0.20		ES	RDX		SUB	SUB
BH2	0.20		ES	24DNT		SUB	SUB
BH2	0.20		ES	26DNT		SUB	SUB
BH2	0.20		ES	EGDN		SUB	SUB
BH2	0.20		ES	HNS		SUB	SUB
BH2	0.20		ES	HMX		SUB	SUB
BH2	0.20		ES	TTRYL		SUB	SUB
BH2	0.20		ES	TNT		SUB	SUB

Region	Wales and England	**Hardness**	NA
Water Body	Groundwater	**Recieving surface water status**	NA
Water Body Type	NA		
Surface Water Type	NA	**Altitude**	NA

LEACHATE

Site Area(s) selected: Whole site
Event selected: All events

Alkali and Alkaline Earth Metals — Aquifer: N/A

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH10	BH3	BH8	HP1	TP4	WS1	WS2a	WS4
					Response Zone Depth (m bgl)	0.4	0.2	0.6 - 0.8	0.25	0.1	0.4 - 0.5	0.3 - 0.5	0.4
					Sample Date	19/02/21	16/02/21	02/03/21	12/03/21	17/02/21	15/02/21	15/02/21	
Barium	ug/l		WHO 2017	700		3.9	5.26	4.44	57	15.3	1.9	12.9	11.8
Beryllium	ug/l		WHO 2017	12.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

LEACHATE

Site Area(s) selected: Whole site
Event selected: All events

General Chemistry — Aquifer: N/A

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH10	BH3	BH8	HP1	TP4	WS1	WS2a	WS4
					Response Zone Depth (m bgl)	0.4	0.2	0.6 - 0.8	0.25	0.1	0.4 - 0.5	0.3 - 0.5	0.4
					Sample Date	19/02/21	16/02/21	02/03/21	12/03/21	17/02/21	15/02/21	15/02/21	
Electrical conductivity	uS/cm		UK DWS	2,500		81.3	156	103	189	117	72.3	619	138
pH	pH Units		UK DWS	6.50 / 10.0		9.04	10.5	9.18	8.52	8.92	9.18	11.4	8.6

LEACHATE

Site Area(s) selected: Whole site
Event selected: All events

Metals — Aquifer: N/A

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH10	BH3	BH8	HP1	TP4	WS1	WS2a	WS4
					Response Zone Depth (m bgl)	0.4	0.2	0.6 - 0.8	0.25	0.1	0.4 - 0.5	0.3 - 0.5	0.4
					Sample Date	19/02/21	16/02/21	02/03/21	12/03/21	17/02/21	15/02/21	15/02/21	
Arsenic	ug/l		UK DWS	10.0		0.909	1.45	9.05	0.696	4.58	9.19	0.988	8.36
Boron	ug/l		UK DWS	1,000		<10	33.1	19.3	95	15.8	44.7	86.2	29.1
Cadmium	ug/l		UK DWS	5.00		<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Chromium	ug/l		UK DWS	50.0		1.63	2.81	1.05	64.2	2.08	<1	1.71	<1
Copper	ug/l		UK DWS	2,000		<0.3	<0.3	4.27	12.1	7.01	<0.3	5.31	2.15
Lead	ug/l		UK DWS	10.0		15.3	1.42	1.14	1.5	7.24	2.67	<0.2	0.579
Mercury	ug/l		UK DWS	1.00		<0.01	<0.01	<0.01	<0.01	0.0147	<0.01	0.011	<0.01
Nickel	ug/l		UK DWS	20.0		<0.4	0.407	<0.4	0.734	<0.4	<0.4	0.413	1.1
Selenium	ug/l		UK DWS	10.0		<1	<1	1.22	<1	<1	<1	<1	<1
Vanadium	ug/l					1.53	19	16.3	<1	9.44	8.77	12.2	11.3
Zinc	ug/l					2.1	1.99	1.51	6.69	7.31	<1	<1	1.66

LEACHATE

Site Area(s) selected: Whole site
Event selected: All events

Physical — Aquifer: N/A

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH10	BH3	BH8	HP1	TP4	WS1	WS2a	WS4
					Response Zone Depth (m bgl)	0.4	0.2	0.6 - 0.8	0.25	0.1	0.4 - 0.5	0.3 - 0.5	0.4
					Sample Date	19/02/21	16/02/21	02/03/21	12/03/21	17/02/21	15/02/21	15/02/21	
Temperature	DegC					20.3	18.3	16.8	17.7	19.1	18.2	19.8	20.4

WATER

Site Area(s) selected: Whole site
Event selected: All events

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Tetrabutyl Tin (Unrecognised code)	ug/l	0.002 - 0.012				<0.012	<0.002	<0.002	<0.002	<0.012	<0.012	<0.012	<0.0024	<0.002	<0.012	<0.002
Tin Surrogate (Unrecognised code)	%					72.5	86.5	81.8	84	76.9	88.3	80.8	76.7	85.3	71.1	80.6

WATER

Site Area(s) selected: Whole site
Event selected: All events

Aliphatics and Aromatics

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Aliphatic C05-C06	ug/l	10.0	WHO 2008	15,000		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C06-C08	ug/l	10.0	WHO 2008	15,000		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C08-C10	ug/l	10.0	WHO 2008	300		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C10-C12	ug/l	10.0	WHO 2008	300		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C12-C16	ug/l	10.0	WHO 2008	300		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C16-C21	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic C16-C35	ug/l	10.0				<10	<10	79	<10	76	<10	<10	<10	<10	<10	<10
Aliphatic C21-C35	ug/l	10.0				<10	<10	79	<10	76	<10	<10	<10	<10	<10	<10
Aliphatics C12-C35	ug/l	10.0				<10	<10	79	<10	76	<10	<10	<10	<10	<10	<10
Aromatic C06-C07	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C07-C08	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C08-C10	ug/l	10.0	WHO 2008	300		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C10-C12	ug/l	10.0	WHO 2008	90.0		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C12-C16	ug/l	10.0	WHO 2008	90.0		15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C12-C35	ug/l	10.0				15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C16-C21	ug/l	10.0	WHO 2008	90.0		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic C21-C35	ug/l	10.0	WHO 2008	90.0		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aliphatics and Aromatics (C5-C35)	ug/l	10.0				15	<10	79	<10	76	<10	<10	<10	<10	<10	<10

WATER

Site Area(s) selected: Whole site
Event selected: All events

Alkali and Alkaline Earth Metals — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Barium	ug/l	0.20 - 1.20	WHO 2017	700		18.7	13.7	51	38	17.8	76.6	84.8	39.5	9.88	41.4	78.7
Beryllium	ug/l	0.10 - 0.60	WHO 2017	12.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.6	<0.6	<0.1

WATER

Site Area(s) selected: Whole site
Event selected: All events

BTEX and Fuel Additives — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,2,4-Trimethylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	ug/l	1.00	UK DWS	1.00		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX	ug/l	28.0				<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28
Ethylbenzene	ug/l	1.00	WHO 2017	300		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl t-butylether(MTBE)	ug/l	1.00	WHO 2017	15.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tertiary Amyl Methyl Ether (TAME)	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	1.00	WHO 2017	700		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene - Total (Summed)	ug/l	-999				1	1	1	1	1	1	1	1	1	1	1
Xylene-m & p	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene-o	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Chlorinated Aliphatics

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,1,1,2-Tetrachloroethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ug/l	1.00	WHO 2017	2,000		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/l	1.00	WHO 2017	140		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/l	1.00	WHO 2017	20.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/l	1.00	UK DWS	3.00		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	ug/l	1.00	WHO 2017	40.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/l	1.00	UK DWS	3.00		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	1.00				<1	<1	<1	<1	2.25	<1	<1	<1	<1	<1	<1
Chloromethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis 1,2-Dichloroethene	ug/l	1.00	WHO 2017	50.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis 1,3-Dichloropropene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ug/l	3.00	WHO 2017	20.0		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Hexachlorobutadiene	ug/l	1.00	WHO 2017	0.60		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Chlorinated Aliphatics

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Hexachloroethane	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Tetrachloroethene (PCE)	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-Dichloroethene	ug/l	1.00	WHO 2017	50.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	ug/l	1.00	UK DWS	0.50		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Chlorinated Aromatics — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,2,3-Trichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/l	1.00	WHO 2017	1,000		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/l	1.00	WHO 2017	300		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorotoluene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/l	1.00	WHO 2017	300		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Chlorinated Phenols — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2,4,5-Trichlorophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2,4,6-Trichlorophenol	ug/l	1.00 - 10.0	WHO 2017	200		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2,4-Dichlorophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2-Chlorophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Chloro-3-Methlphenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Chlorophenols- Total (Summed Isomers)	ug/l	-999				4	10	10	10	1	1	1	8	1	1	1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Dioxins and Furans

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Dibenzofuran	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Dyes

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
3-Nitroaniline	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Nitroaniline	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Explosives

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2,4-Dinitrotoluene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2,6-Dinitrotoluene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

General Chemistry — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
pH	pH Units	1.00	UK DWS	6.50 / 10.0		8.43	7.74	7.58	7.86	7.53	7.72	7.46	7.58	7.97	7.64	7.52

WATER

Site Area(s) selected: Whole site
Event selected: All events

Halogonated Hydrocarbons

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
1,2-Dibromo-3-Chloropropane	ug/l	1.00	WHO 2017	1.00		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane	ug/l	1.00	WHO 2017	0.40		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/l	1.00				<1	<1	<1	<1	3.23	<1	<1	<1	<1	<1	<1
Bromoform	ug/l	1.00				<1	<1	<1	<1	3.36	<1	<1	<1	<1	<1	<1
Bromomethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	ug/l	1.00	WHO 2017	100		<1	<1	<1	<1	5.91	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Inorganics

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Cyanide	ug/l	5.00	UK DWS - Assumes Total	50.0		<5	<5	<5	<5	<5	70	<5	<5	<5	<5	<5
Sulphate as SO4	ug/l	2,000 - 20,000	UK DWS	250,000		287000	467000	161000	287000	22000	2240000	580000	1040000	2600000	2410000	598000

WATER

Site Area(s) selected: Whole site
Event selected: All events

INSITU

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Dissolved Oxygen	mg/l							9.6	9.6		12				12	
Electrical Conductivity	uS/cm		UK DWS	2,500		5365	5365	2938	2938	618.5	42783	8795	8795	50665	46609	19645
pH	pH Units	1.00	UK DWS	6.50 / 10.0		8.43	8.43	7.36	7.36	7.33	7.58	7.17	7.17	7.96	7.43	6.89
Redox Potential	mV					72.2	72.2	58.8	58.8	80.9	86.3	-65.9	-65.9	150.5	-47.4	79.6
Temperature	degC					9.7	9.7	8.1	8.1	8	9.2	9.4	9.4	6.9	9.1	10.1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Ketones

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Isophorone	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Metals

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Arsenic	ug/l	0.50 - 3.00	UK DWS	10.0		21.4	3.5	2.74	4.83	1.44	6.23	4.68	5.43	<3	<3	5.23
Boron	ug/l	10.0 - 60.0	UK DWS	1,000		1850	1550	295	2520	31	2660	387	2510	4210	3690	3080
Cadmium	ug/l	0.080 - 0.48	UK DWS	5.00		0.156	<0.08	<0.08	<0.08	<0.08	0.199	0.0811	<0.08	<0.48	<0.48	1.61
Chromium	ug/l	1.00 - 6.00	UK DWS	50.0		1.05	<1	<1	<1	<1	1.02	<1	<1	<6	<6	<1
Copper	ug/l	0.30 - 1.80	UK DWS	2,000		5.01	0.34	2.41	0.961	0.505	2.97	2.84	<0.3	<1.8	<1.8	4.35
Hexavalent Chromium	ug/l	3.00				<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Lead	ug/l	0.20 - 1.20	UK DWS	10.0		1.48	<0.2	1.51	0.555	2.43	1.38	0.511	<0.2	<1.2	<1.2	0.241
Mercury	ug/l	0.010	UK DWS	1.00		<0.01	<0.01	<0.01	<0.01	0.0127	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel	ug/l	0.40 - 2.40	UK DWS	20.0		16.7	5.25	10.5	5.49	1.01	7.25	18.7	5.64	<2.4	9.12	176
Selenium	ug/l	1.00 - 6.00	UK DWS	10.0		8.89	1.5	6.73	3.22	<1	2.25	9.86	<1	<6	<6	2.6
Vanadium	ug/l	1.00 - 6.00				8.81	<1	1.55	1.29	1.42	1.87	1.83	<1	<6	<6	2.05
Zinc	ug/l	1.00 - 6.00				10.1	135	23.2	30	5.18	20.6	17.1	13.5	7.58	23.2	30.9

WATER

Site Area(s) selected: Whole site
Event selected: All events

Other

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2-Chloronaphthalene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Bromophenylphenyl ether	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Chloroaniline	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Chlorophenyl phenyl ether	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Azobenzene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Bis (2-chloroethoxy) methane	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Bis (2-chloroethyl) ether	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Carbazole	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Carbon Disulphide	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Catechol	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthols	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrobenzene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
n-Nitrosodi-n-Propylamine	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Resorcinol	ug/l	10.0				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Styrene	ug/l	1.00	WHO 2017	20.0		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

PAHs

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2-Methylnaphthalene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Acenaphthene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Acenaphthylene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Anthracene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (a) anthracene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (a) pyrene	ug/l	1.00 - 10.0	UK DWS	0.010		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (b) fluoranthene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (ghi) perylene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Benzo (k) fluoranthene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Chrysene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Dibenzo (ah) anthracene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Fluoranthene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Fluorene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Indeno (1,2,3-cd) pyrene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Naphthalene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenanthrene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Pyrene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Pesticides, Herbicides and Insecticides — Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Dibutyl tin	ug/l	0.005 - 0.030				<0.03	<0.005	<0.005	<0.005	<0.03	<0.03	<0.03	<0.006	<0.005	<0.03	<0.005
Hexachlorocyclopentadiene	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Pentachlorophenol	ug/l	1.00 - 10.0	WHO 2017	9.00		<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Tributyl tin	ug/l	0.001 - 0.006				<0.006	<0.001	<0.001	<0.001	<0.006	<0.006	<0.006	<0.0012	<0.001	<0.006	<0.001
Triphenyl tin	ug/l	0.001 - 0.006				<0.006	<0.001	<0.001	<0.001	<0.006	<0.006	<0.006	<0.0012	<0.001	<0.006	<0.001

WATER

Site Area(s) selected: Whole site
Event selected: All events

Pharmaceuticals

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2-Nitroaniline	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1

WATER

Site Area(s) selected: Whole site
Event selected: All events

Phenols

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
2,4-Dimethylphenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2-IsoPropylphenol	ug/l	6.00				<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
2-Methylphenol (o-Cresol)	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
2-Nitrophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Methylphenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
4-Nitrophenol	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Cresols	ug/l	6.00				<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Methylphenols Total (Summed)	ug/l	-999				4	10	10	10	1	1	1	8	1	1	1
Phenol	ug/l	1.00 - 2.00				<2	<2	<2	<2	<1	<1	<1	<2	<1	<1	<1
Phenols, Total Detected8 Speciated	ug/l	45.0				<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45
Trimethylphenols	ug/l	3.00				<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenols	ug/l	8.00				<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8

WATER

Site Area(s) selected: Whole site
Event selected: All events

Phthalates

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
Bis (2-ethylhexyl) phthalate	ug/l	2.00 - 20.0	WHO 2017	8.00		<8	<20	<20	<20	2.78	<2	<2	<16	<2	<2	<2
Butyl benzyl phthalate	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Diethyl phthalate	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Dimethyl phthalate	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Di-n-butyl phthalate	ug/l	1.00 - 10.0				<4	<10	<10	<10	<1	<1	<1	<8	<1	<1	<1
Di-n-octyl phthalate	ug/l	5.00 - 50.0				<20	<50	<50	<50	<5	<5	<5	<40	<5	<5	<5

WATER

Site Area(s) selected: Whole site
Event selected: All events

QA Standard | **Aquifer: No aquifer entered**

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
4-Bromofluorobenzene	%					94.4	93.8	92.1	94.7	94.2	92.7	93.8	93.9	92.7	93.5	92.5
Dibromofluoromethane	%					104	110	102	112	113	109	111	115	103	110	111
Toluene-d8 Surrogate	%					99.7	98.6	98.3	97.8	98.7	99.2	96.8	96.6	100	97.6	98.2

WATER

Site Area(s) selected: Whole site
Event selected: All events

TPH/EPH

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
GRO Surrogate	%					94	89	101	101	93	98	93	105	88	93	88
PRO (C5-C12)	ug/l	50.0				<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50

WATER

Site Area(s) selected: Whole site
Event selected: All events

VOCs

Aquifer: No aquifer entered

Result > Assessment Criteria

Limit of detection > Assessment Criteria

Analyte	Units	LOD	Reference	GAC	PointID	BH1		BH10		BH2	BH3	BH5		BH7	BH8	BH9
					Response Zone Depth (m bgl)	1 - 4	8 - 10	1 - 2	8 - 10	1 - 5	1 - 5	2 - 5	8 - 10	1 - 5	1 - 5	1 - 5
					Sample Date	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21	04/03/21	05/03/21	05/03/21	04/03/21	04/03/21	04/03/21
4-Isopropyltoluene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
iso-Propylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sec-Butylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tert-Butylbenzene	ug/l	1.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Project Site			Tipner					
Client			PCC	Leachate	Leachate	Leachate		
				Trial Pit	Trial Pit	Trial Pit	Leachate	Leachate
Sample Description				TP SY1	TP SY4	TP SY8	BHSY8	TPSY1
Sample Depth				2.90	1.70	2.00	1.20	0.60
Laboratory data from the 2006 investigation (Soil leachate)				13/02/06	13/02/06	13/02/06	22/06/06	22/06/06
Metals - (Solids)		**GSV**						
	Coastal	**DW**						
Arsenic Dissolved (ICP-MS)	25	10	<1 ug/l	<1	<1	<1	-	2
Boron Dissolved (ICP-MS)	7000	1000	<10 ug/l	2310	108	2111	-	-
Cadmium Dissolved (ICP-MS)	0.2	5	<0.4 ug/l	0.9	<0.4	1.3	12	-
Chromium Dissolved (ICP-MS)	3.4	50	<1 ug/l	25	7	41	6	3
Copper Dissolved (ICP-MS)	3.76	2000	<1 ug/l	26	5	18	-	-
Lead Dissolved (ICP-MS)	1.3	10	<1 ug/l	36	20	12	14	-
Nickel Dissolved (ICP-MS)	8.6	20	<1 ug/l	7	<1	<1	-	-
Selenium Dissolved (ICP-MS)		10	<1 ug/l	87	<1	89	-	-
Zinc Dissolved (ICP-MS)	6.8		<3 ug/l	142	55	40	-	-
Mercury Dissolved (CVAA)	0.07	1	<0.05 ug/l	<0.05	<0.05	<0.05		
EPH (DRO) (C10-C40)			<10 ug/l	6719	615	274	-	-
Conductivity (at 25 deg.C)		2500					-	-
Sulphate (soluble)	400000	250000					-	-
Chloride							-	-
Sulphide							-	-
Total Ammonia as NH3	729	472					-	-
Phenols Monohydric	7.7						-	-
Thiocyanate							-	-
Total Cyanide	1	50					-	-
Free Sulphur							-	-
Methane Dissolved							-	-
pH Value	6.5<pH<9	6.5<pH<10					-	-
Sulphate BRE							-	-

Project Site			Tipner												
Client			PCC												
				GW		GW		GW		GW					
Sample Description				BHSY11	BHSY11	WSLF5	WSLF5	BHSY1	BHSY1	BHSY7	BHSY7 [AW]	BHSY4	BHSY4	BHSY6	BHSY5
Sample Depth								.	2.08	.	1.66	2.08	2.96	1.5	
Laboratory data from the 2006 Investigation (Groundwater)				14/03/06	24/05/06	14/03/06	24/05/06	14/03/06	18/05/06	14/03/06	22/05/06	18/05/06	16/06/06	19/05/06	24/05/06
Metals - (Solids)															
	Coastal	**DW**													
Arsenic Dissolved (ICP-MS)	25	10	<1 ug/l	24	30	63	71	<1	11	1	3	7	5	65	75
Boron Dissolved (ICP-MS)	7000	1000	<10 ug/l	1990	2429	3982	3955	-	1078	-	518	355	132	3624	3938
Cadmium Dissolved (ICP-MS)	0.2	5	<0.4 ug/l	<0.4	1.3	<0.4	1.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	1.9	2.8
Chromium Dissolved (ICP-MS)	3.4	50	<1 ug/l	4	6	11	9	5	3	4	1	<1	2	5	7
Copper Dissolved (ICP-MS)	3.76	2000	<1 ug/l	<1	6	2	<1	<1	<1	<1	2	1	47	1	<1
Lead Dissolved (ICP-MS)	1.3	10	<1 ug/l	<1	1	1	2	2	<1	<1	<1	1	<1	3	1
Nickel Dissolved (ICP-MS)	8.6	20	<1 ug/l	15	7	7	5	12	6	2	4	4	2	6	18
Selenium Dissolved (ICP-MS)		10	<1 ug/l	70	82	181	201	11	28	<1	3	4	<1	171	203
Zinc Dissolved (ICP-MS)	6.8		<3 ug/l	46	39	21	117	22	24	4	42	23	23	52	32
Mercury Dissolved (CVAA)	0.07	1	<0.05 ug/l	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
EPH (DRO) (C10-C40)			<10 ug/l	-	-	-	-	<10	-	<10	-	-	-	-	-
Conductivity (at 25 deg.C)		2500		-	-	-	-	-	-	-	-	-	-	-	-
Sulphate (soluble)	400000	250000		1053	-	2754	-	-	-	-	-	-	-	-	-
Chloride				7713	7952	19445	18960	-	3211	-	117	229	105	20492	19194
Sulphide				<0.50	-	<0.50	-	-	-	-	-	-	-	-	-
Total Ammonia as NH3	729	472		0.2	<1	2.3	<1	-	<1	-	<1	<1	<1	<1	<1
Phenols Monohydric	7.7			<0.01	<0.01	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01
Thiocyanate				<0.05	<0.05	<0.05	<0.05	-	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05
Total Cyanide	1	50		<0.05	-	<0.05	-	-	-	-	-	-	-	-	-
Free Sulphur				<0.05	-	<0.05	-	-	-	-	-	-	-	-	-
Methane Dissolved				<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1
pH Value	6.5<pH<9	6.5<pH<10		8.08	-	8.06	-	8.05	-	8.17	-	-	-	-	-
Sulphate BRE				-	-	-	-	0.66	-	0.121	-	-	-	-	-
TPH Criteria Working Group (TPH CWG)															
	Coastal	**DW**													
GRO (C4-C12)			<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
MTBE		15 (WHO 2017)	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Benzene	8	1	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Toluene	74	700	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Ethyl benzene	20	300	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
m & p Xylene	30	500	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
o Xylene	30	500	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aliphatics C5-C6		15,000	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aliphatics >C6-C8		15,000	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aliphatics >C8-C10		300	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aliphatics >C10-C12		300	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aliphatics >C12-C16		300	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aliphatics >C16-C21			<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aliphatics >C21-C35			<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-

Project Site			Tipner												
Client			PCC												
				GW		GW		GW		GW					
Sample Description				BHSY11	BHSY11	WSLF5	WSLF5	BHSY1	BHSY1	BHSY7	BHSY7 [AW]	BHSY4	BHSY4	BHSY6	BHSY5
Sample Depth								.	2.08	.	1.66	2.08	2.96	1.5	
Laboratory data from the 2006 Investigation (Groundwater)				14/03/06	24/05/06	14/03/06	24/05/06	14/03/06	18/05/06	14/03/06	22/05/06	18/05/06	16/06/06	19/05/06	24/05/06
Total Aliphatics C5-C35			<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aromatics C6-C7	8	10	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aromatics >C7-C8	74	10	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aromatics >EC8-EC10	20	300	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aromatics >EC10-EC12	2	94	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aromatics >EC12-EC16	2	94	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aromatics >EC16-EC21	0.1	90	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Aromatics >EC21-EC35	0.00017	90	<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
Total Aromatics C6-C35			<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
PH (Aliphatics and Aromatics C5-C35)			<10 ug/l	-	-	<10	-	-	-	-	-	<10	-	<10	-
	Coastal	**DW**													
EPH (DRO) (C10-C40)			<10 ug/l	<10	52	-	53	-	<10	-	261	-	1836	-	86
GRO (C4-C10)			<10 ug/l	<10	<10	-	<10		<10		<10	-	<10	-	<10
GRO (C10-C12)			<10 ug/l	<10	<10	-	<10	-	<10	-	<10	-	<10	-	<10
Benzene	8	1	<10 ug/l	<10	<10	-	<10	-	<10	-	<10	-	<10	-	<10
Toluene	74	700	<10 ug/l	<10	<10	-	<10	-	<10	-	<10	-	<10	-	<10
Ethyl benzene	20	300	<10 ug/l	<10	<10	-	<10	-	<10	-	<10	-	<10	-	<10
m & p Xylene	30	500	<10 ug/l	<10	<10	-	<10	-	<10	-	<10	-	<10	-	<10
o Xylene	30	500	<10 ug/l	<10	<10	-	<10	-	<10	-	<10	-	<10	-	<10
MTBE		15 (WHO 2017)	<10 ug/l	<10	<10	-	<10	-	<10	-	<10	-	<10	-	<10
Polyaromatic Hydrocarbons (PAHs)															
Naphthalene	2000		<10 ng/l	<10	<10	25	44	<10	<10	421	<10	429	<10	<10	<10
Acenaphthylene			<10 ng/l	<10	<10	<10	<10	<10	<10	16	<10	<10	<10	<10	<10
Acenaphthene			<10 ng/l	<10	<10	16	19	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene			<10 ng/l	<10	<10	11	17	<10	<10	45	<10	<10	<10	<10	<10
Phenanthrene			<10 ng/l	<10	<10	58	61	<10	<10	88	<10	<10	<10	<10	<10
Anthracene	100		<10 ng/l	<10	<10	19	27	<10	<10	38	<10	<10	<10	<10	<10
Fluoranthene	6.3		<10 ng/l	<10	<10	76	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pyrene			<10 ng/l	<10	<10	82	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benz(a)anthracene			<10 ng/l	<10	<10	38	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene			<10 ng/l	<10	<10	67	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene		25	<10 ng/l	10	10	10	10	10	10	10	10	10	10	10	10
Benzo(k)fluoranthene		25	<10 ng/l	10	10	10	10	10	10	10	10	10	10	10	10
Benzo(a)pyrene	0.17	10	<10 ng/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Indeno(123cd)pyrene		25	<10 ng/l	10	10	10	10	10	10	10	10	10	10	10	10
Dibenzo(ah)anthracene			<10 ng/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(ghi)perylene		25	<10 ng/l	10	10	10	10	10	10	10	10	10	10	10	10
enzo b, ghi, k and ineno(123cd)pyrene		100		40	40	40	40	40	40	40	40	40	40	40	40
PAH 16 Total		%	<10 ng/l	<10	<10	392	168	<10	<10	608	<10	429	<10	<10	<10
SVOC's															

Project Site			Tipner												
Client			PCC												
				GW		GW		GW		GW					
Sample Description				BHSY11	BHSY11	WSLF5	WSLF5	BHSY1	BHSY1	BHSY7	BHSY7 [AW]	BHSY4	BHSY4	BHSY6	BHSY5
Sample Depth								.	2.08	.	1.66	2.08	2.96	1.5	
Laboratory data from the 2006 Investigation (Groundwater)				14/03/06	24/05/06	14/03/06	24/05/06	14/03/06	18/05/06	14/03/06	22/05/06	18/05/06	16/06/06	19/05/06	24/05/06
Phenols	**Coastal**	**DWS**													
2-Chlorophenol			<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
2-Methylphenol			<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
2-Nitrophenol			<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
2,4-Dichlorophenol	0.42		<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
2,4-Dimethylphenol			<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
2,4,5-Trichlorophenol		9	<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
2,4,6-Trichlorophenol		200	<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Chloro-3-methylphenol			<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Methylphenol			<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Nitrophenol			<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
Pentachlorophenol	0.4	9	<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
Phenol	7.7		<1 ug/l	-	-	<1	-	-	-	-	-	<1	-	<1	-
PAHs															
2-Chloronaphthalene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	0.1		<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.00017	0.01	<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene		0.025	<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene		0.025	<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene		0.025	<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.0063		<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene		0.025	<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	2		<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene			<100 ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Phthalates															
Bis(2-ethylhexyl) phthalate	1.3	8	<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Butylbenzyl phthalate			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Di-n-butyl phthalate			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Di-n-Octyl phthalate			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Diethyl phthalate			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Dimethyl phthalate			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-

Project Site			Tipner												
Client			PCC												
				GW		GW		GW		GW					
Sample Description				BHSY11	BHSY11	WSLF5	WSLF5	BHSY1	BHSY1	BHSY7	BHSY7 [AW]	BHSY4	BHSY4	BHSY6	BHSY5
Sample Depth								.	2.08	.	1.66	2.08	2.96	1.5	
Laboratory data from the 2006 Investigation (Groundwater)				14/03/06	24/05/06	14/03/06	24/05/06	14/03/06	18/05/06	14/03/06	22/05/06	18/05/06	16/06/06	19/05/06	24/05/06
Other Semi-volatiles															
1,2-Dichlorobenzene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1,2,4-Trichlorobenzene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1,3-Dichlorobenzene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1,4-Dichlorobenzene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
2-Nitroaniline			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
2,4-Dinitrotoluene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
2,6-Dinitrotoluene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
3-Nitroaniline			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Bromophenylphenylether			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Chloroaniline			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Chlorophenylphenylether			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Nitroaniline			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Azobenzene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Bis(2-chloroethoxy)methane			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Bis(2-chloroethyl)ether			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Carbazole			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Dibenzofuran			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Hexachlorobenzene	0.05		<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Hexachlorobutadiene	0.6		<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Hexachlorocyclopentadiene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Hexachloroethane			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Isophorone			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
N-nitrosodi-n-propylamine			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Nitrobenzene			<100 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
VOC's															
Dichlorodifluoromethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Chloromethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Vinyl Chloride			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Bromomethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Chloroethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Trichlorofluoromethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
trans-1-2-Dichloroethene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Dichloromethane	20		<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Carbon Disulphide			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.1-Dichloroethene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.1-Dichloroethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Methyl Tertiary Butyl Ether		15	<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
cis-1-2-Dichloroethene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Bromochloromethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-

Project Site			Tipner											
Client			PCC											
				GW		GW		GW		GW				
Sample Description				BHSY11	BHSY11	WSLF5	WSLF5	BHSY1	BHSY1	BHSY7	BHSY7 [AW]	BHSY4	BHSY4	BHSY6	BHSY5
Sample Depth								.	2.08	.	1.66	2.08	2.96	1.5	
Laboratory data from the 2006 Investigation (Groundwater)				14/03/06	24/05/06	14/03/06	24/05/06	14/03/06	18/05/06	14/03/06	22/05/06	18/05/06	16/06/06	19/05/06	24/05/06
Chloroform	2.5		<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
2.2-Dichloropropane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2-Dichloroethane	10		<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.1.1-Trichloroethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.1-Dichloropropene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Benzene	8	1	<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Carbontetrachloride	12		<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Dibromomethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2-Dichloropropane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Bromodichloromethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Trichloroethene	10		<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
cis-1-3-Dichloropropene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
trans-1-3-Dichloropropene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.1.2-Trichloroethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Toluene	74		<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.3-Dichloropropane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Dibromochloromethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2-Dibromoethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Tetrachloroethene	10		<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.1.1.2-Tetrachloroethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Chlorobenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Ethylbenzene	20	300	<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
p/m-Xylene	30	500	<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Bromoform			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Styrene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.1.2.2-Tetrachloroethane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
o-Xylene	30	500	<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2.3-Trichloropropane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Isopropylbenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Bromobenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
2-Chlorotoluene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Propylbenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Chlorotoluene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2.4-Trimethylbenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
4-Isopropyltoluene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.3.5-Trimethylbenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2-Dichlorobenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.4-Dichlorobenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
sec-Butylbenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
tert-Butylbenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.3-Dichlorobenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-

Project Site			Tipner										
Client			PCC										
				GW		GW		GW		GW			
Sample Description				BHSY11	BHSY11	WSLF5	WSLF5	BHSY1	BHSY1	BHSY7	BHSY7 [AW]	BHSY4	BHSY4	BHSY6	BHSY5
Sample Depth								.	2.08	.	1.66	2.08	2.96	1.5	
Laboratory data from the 2006 Investigation (Groundwater)				14/03/06	24/05/06	14/03/06	24/05/06	14/03/06	18/05/06	14/03/06	22/05/06	18/05/06	16/06/06	19/05/06	24/05/06
n-Butylbenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2-Dibromo-3-chloropropane			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2.4-Trichlorobenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Naphthalene		2	<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
1.2.3-Trichlorobenzene			<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-
Hexachlorobutadiene		0.6	<1 ug/kg	-	-	<1	-	-	-	-	-	<1	-	<1	-

Appendix F

RADIOLOGICAL INVESTIGATION

CONFIDENTIAL

Site Investigation and Sampling of the JHP Site, Tipner Scrapyard, Portsmouth

Ref: 03/146/05.05

Prepared by:		Name:	Mark Musgrave	Date:	11/03/2021
Checked by:		Name:	Matt Tuck (CRadP)	Date:	12/03/2021
Approved by:		Name:	Matt Tuck (CRadP)	Date:	12/03/2021

Review / Amendment Log

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Contents

1. Scope

1.1 Objectives

2. Introduction

3. Method

3.1 Instrumentation

4. Survey results

5. Conclusion and discussion

6. References

7. Appendices

1. Scope

Matom was employed by WSP UK Ltd to provide a radiological survey that includes area walkover field measurement, radiological assurance monitoring for the Site Investigation works, sample acquisition and off-site radiological analysis, to Site Investigations on the JHP site, Tipner, Portsmouth, February 2021. The programme of works is defined in the WSP Construction Phase Plan (Ref: 70067958 - CPP - Tipner JHP Site) with dynamic soil sampling undertaken in associated with the Investigation.

1.1 Objectives

The objectives were to provide quantitative and, to a lesser degree, qualitative radiological monitoring as part of a hazard reassurance survey for the protection of SI workers and contractors and the acquisition of soil samples from SI trial pits, hand dug pits and boreholes for analysis in an approved laboratory.

2. Introduction

The Horsea Island East and Tipner West redevelopment zones have a mixed military and industrial history which has left a legacy of ground contamination across the proposed development areas. These areas have been subject to a large number of land contamination assessments by various parties during the period of 1993 to 2015. Whilst most of these assessments have been made available to WSP UK Ltd, additional site investigations are required to address data gaps in support of progressing the sites through the planning process.

One significant data gap across the sites is the lack of radiological survey information. Given the mixed military and industrial history of the sites, and knowledge of similar sites around the UK, there is deemed to be a potential risk of radiological contamination within areas of the redevelopment zones.

In 2017 Matom were commissioned by WSP UK Ltd to undertake a desk based assessment of the potential for radiological contamination within the Horsea Island and Tipner West Redevelopment Zones (Ref: 03/146/03.02r1). From this assessment several areas were identified as having an elevated potential for radiological contamination based on previous land use. This study included the areas in which the WP sampling and boreholing were to take place during this site investigation. Subsequently Matom recommended that and an initial walkover survey and subsequent assurance monitoring during the trial pitting and bore-holing for the protection of the operators and environment should be provided, and a selection of soil samples taken to provide qualitative data prior to any land development.

3. Method

The Matom Health Physics (HP) Surveyor initially undertook a walkover survey of the accessible made ground prior to commencing the intrusive SI.

Matom undertook:

1. Provision of advice on Risk Assessments and Method Statement;
2. Provision of radiation awareness briefing (toolbox talk) to ensure staff safety during site investigation;
3. Provision of SQEP Health Physics Surveyor (HPS) to perform reassurance monitoring of borehole sampling;
4. Pre-works walkover survey;
5. Determination and acquisition of dynamic samples for analysis;
6. Gamma spectrometry analysis of soil samples;
7. Provision of suitable portable monitoring equipment.

3.1 Instrumentation

EQUIPMENT NAME	DESCRIPTION	SERIAL NUMBER	CALIBRATION DUE DATE
Exploranium GR135	Discriminating detector	2993	21/01/22
Rotem DA3 & PM11	Gamma probe	8308-003 & 0708-001	21/01/22
Mini 900 / EP15	Alpha/Beta probe	3296	21/01/22

Instruments were response checked each day before commencing monitoring duties. Check sources were stored in accordance with Matom procedure RSOI.021 Radioactive Check Sources.

4. Survey Results

Local background radiation levels were taken for each of the field instruments to be used, the measured levels across a number of locations was:

Effective dose rate 0.1µSv/h (γ)
Radiation levels of ~25cps γ and <1cps βγ

Survey reports are provided in Appendix 1

The results of the radiochemical analysis of the samples listed above are provided within Appendix 2.

6. Conclusion and Discussion

The radiological monitoring programme for the SI was proportionate to the considered risk of radiological contamination hazards being present in quantities that pose a risk to personnel working onsite or materials handling.

The results of the Matom surveys (Appendix 1) provide confidence that there is a low probability of radiological contamination across this site given none of the areas sampled had levels of radiation above measured background levels for any of the trial pits, hand dug pits or borehole samples tested. Therefore, there is no risk from elevated radiation levels to operators, the public and the environment.

Results of the radiochemical analysis of the samples are provided in Appendix 2. These results, combined with the infield surveys, indicate that there is no significant radiological contamination in the sampled areas in accordance with Environmental Permitting Regulations 2018 (EPR) and the National Planning Policy Framework (NPPF), and therefore no special measures need to be put in place for the handling, packaging, or disposal of radioactive materials associated with groundworks or site development.

7. References

1. WSP UK Ltd Construction Phase Plan, Report Number 70067958 - CPP - Tipner JHP Site
2. Environmental Permitting Regulations 2018
3. National Planning Policy Framework (NPPF)

Appendix 1: Scanned copies of in field surveys

Appendix 2: Results of the Radiochemical Analysis of Soil Samples

Appendix 1

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RADIATION AND CONTAMINATION SURVEY REPORT FORM

SHEET 1 of 5

Date: 13/2/21	Survey Ref:	Area Designation:		Survey Type:		Instrument:	Serial No:	Pre Test:	Bgd:	Post Test:
Building / Location: SCRAPYARD			Controlled	✓	Routine	MIDI/IEPIS	3296	OK	<1cps	OK
Area Surveyed / Site Plan Reference:			Supervised	✓	Request	RAM QA3	8308/003	OK	<0.1μSv/h	OK
TIPNER SITE		✓	Non-des		Incident	PM11	0908/001	OK	25cps	OK
Start Time: 0800	End Time: 1500		Other:		Other:					
13/2/21 TO 19/2/21										

No:	Survey Details:	Radiation: μSv/h β/γ	Or Y	mSv/h n	Contamination: Bq/cm² α	Or B ✓	cps P ✓	FM or R**	US S or K***	Comments / Notes:
1	WALKOVER SURVEY OF SITE CARRIED OUT PAYING PARTICULAR ATTENTION TO BOREHOLE/PIT LOCATIONS USING RAM QA3/PM11 ON 13TH + 14TH OF FEB 2021. APPROX 95% OF THE SITE IS COVERED IN THICK CONCRETE WITH THE REMAINDER ON THE OUTSIDE EDGE INTO THE WATER BEING COVERED IN GRAVEL/CLAY. BACK + CONCRETE, ALL READINGS WERE BACKGROUND (<0.1 μSv/h / 25CPS) EXCEPT FOR READINGS INDICATED ON SITE MAP 'A'		BG			BG	BG			
2	BOREHOLE + PIT MONITORING		↓			↓	↓			
15/2	BH1 0.0 CONCRETE		BG			BG	P	SEE SITE MAP 'B' FOR LOCATIONS		ALL READINGS ARE NET
	1.0 CLAY/GRAVE		↓			↓	↓			
	3.0 CLAY									
	4.0 CLAY									
15/2	WS2 0.0 RUBBLE		↓			↓	↓			

Completed by:					
Name:	T. ROBSON	Signature:		Date:	19/2/21

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RADIATION AND CONTAMINATION SURVEY REPORT FORM

SHEET 2 of 5

No:	Survey Details:		Radiation: µSv/h β/γ	Or γ	mSv/h n	Contamination: Bq/cm² α	Or β δ	cps P/s	FM or R**	US S or K***	Comments / Notes:
		0·5 ABANDONED		BG			BG	P			
15/2	WS3	0·0 CONCRETE									
		1·0 CRUSHED BRICK									
		1·5 —11—									
		ABANDONED									
15/2	WS4	0·0 CONCRETE					10				
		0·8 CLAY					BG				
		1·2 CLAY/SHALE									
		2·0 CLAY									
		3·0 "									
		4·0 "									
		5·0 "									
15/16/2	BH1	0·0 CONCRETE					20				
		0·5 BRICKS					BG				
		1·0 CLAY									
		2·0 "									
		3·0 "									
		4·0 "									
		5·0 CLAY/SHALE									
		6·0 CHALK									
		7·0 "									
		8·0 "									
		9·0 "									
		10·0 "									
16/2	WS5	0·0 BRICK/CONCRETE					10				
		0·9 —11—					BG		SAMPLE WS5/01 TAKEN		
		ABANDONED									
16/2	BH2	0·0 CONCRETE									
		1·0 CLAY									
		2·0 "							SAMPLE BH2/01 TAKEN		

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RADIATION AND CONTAMINATION SURVEY REPORT FORM

SHEET 3 of 5

No:	Survey Details:	Radiation: µSv/h β/γ	Radiation: Or γ	Radiation: mSv/h n	Contamination: Bq/cm² α	Contamination: Or β	Contamination: cps P/s	FM or R**	US S or K***	Comments / Notes:
	3·0 CLAY		BG			BG	P			
	4·0 "									
	5·0 "									
16/2	WS 8 0·0 CONCRETE									
	0·5 BRICK									
	ABANDONED									
16/2	WS 6 0·0 CONCRETE					10				
	0·4 "					BG				
	ABANDONED									
16/2	WS 7 0·0 BRICK									
	1·0 " / RUBBLE							SAMPLE WS7/01 TAKEN		
	1·5 " / RUBBLE									
	ABANDONED									
16/2	BH3 0·0 CONCRETE					20				
	1·0 BRICK / RUBBLE					BG		SAMPLE BH3/01 TAKEN		
	2·0 " "									
	3·0 CLAY/MUD									
	4·0 "									
	5·0 "									
17/2	BH4 0·0 CONCRETE									
	1·0 CLAY/SHALE									
	2·0 —" —							SAMPLE BH4/01 TAKEN		
	3·0 } NO MATERIAL									
	4·0 } TO MONITOR									
	5·0 }									
17/2	TP1 0·0 BRICK / CONCRETE					10				
	1·0 SOIL / RUBBLE					BG		SAMPLE TP1/01 TAKEN		
	1·2 —" —									
	ABANDONED									
17/2	TP2 0·0 BRICK / CONCRETE									

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RADIATION AND CONTAMINATION SURVEY REPORT FORM

SHEET 4 of 5

No:	Survey Details:		Radiation: µSv/h β/γ	Radiation: Or γ	Radiation: mSv/h n	Contamination: Bq/cm² α	Contamination: Or β	Contamination: cps P/s	FM or R**	US S or K***	Comments / Notes:
		0·5 BRICK/CONCRETE		BG			BG	P			
		1·5 CLAY/BRICK							SAMPLE TP2/01 TAKEN		
17/2	TP3/	0·0 BRICK/CONCRETE									
FEB		1·0 —11—									
		1·8 —11—							SAMPLE TP3/01 TAKEN		
	BH/6	2·0 } NO MATERIAL									
		3·0 } TO MONITOR									
		3·3 }									
17/2	TP4	0·0 BRICK/CONCRETE									
		1·0 —11—									
17/2	WS9	0·0 BRICK/CON									
		0·7 11									
		ABANDONED									
18/2	BH5	0·0 CONCRETE									
		1·0 11									
		2·0 CLAY/CONCRETE									
		3·0 11									
		4·0 CLAY									
		5·0 11									
		6·0 11									
		7·0 11							SAMPLE BH5/01 TAKEN		
		8·0 CHALK									
		9·0 11									
		10·0 11									
18/2	BH10	0·0 CONCRETE									
		1·1 CLAY									
18/2	BH9	0·0 CONCRETE									
		0·5 BRICK/CONCRETE									
		0·7 11							SAMPLE BH9/01 TAKEN		
		1·2 CLAY/GRIT		▽			▽	▽			

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RADIATION AND CONTAMINATION SURVEY REPORT FORM

SHEET 5 of 5

No:	Survey Details:	Radiation: µSv/h β/γ	Or γ	mSv/h n	Contamination: Bq/cm² α	Or β	cps Plat	FM or R**	US S or K***	Comments / Notes:
18/9 FEB	BH8 0·0 CONCRETE		BG			BG	P			
	1·0 CLAY/SOIL/BRICK							SAMPLE BH8/01 TAKEN		
	2·0 CLAY/CONCRETE									
	3·0 CLAY/CHALK									
	4·0 CLAY									
	5·0 "									
18/9 FEB	BH7 0·0 RUBBLE									
	1·0 "									
	1·5 CLAY/GRIT/CHALK							SAMPLE BH7/01 TAKEN		
	2·0 CLAY/GRIT									
	3·0 } NO SAMPLES									
	4·0 } TO MONITOR									
	5·0 J									

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SITE MAP 'A'

SITE MAP 'B'

WS2
SAMPLE TP3/BH5
Landing Stage (dis)
Rock
SAMPLE BH5
TP4
WS9
Cable Percussion Borehole (Dual MW)
WS8
Window Sample Borehole (MW)
Mooring Post
WB
BH4
SAMPLE
Window Sample Borehole
WS6
Tipner Point
WS3
Trial Pit
WS1
BH19
SAMPLE
Site Boundary
BH1
Site Compound
Mud
SAMPLE TP1
Mean High Water
SAMPLE WS5
WS4
BH7
SAMPLE
BH2
SAMPLE
SAMPLE TP2
BH3
SAMPLE
WS7
SAMPLE
BH8
SAMPLE
BH10

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RADIOLOGICAL CLEARANCE CERTIFICATE

Project Ref:	MATOM Ltd	Survey Ref No:	TIPPER	Sheet	1 of 2

DESCRIPTION AND REFERENCE	DOSE RATE ($\mu Sv.h^{-1}$)	CONTAMINATION - PROBE		CONTAMINATION – WIPE	
		CPS	$Bq.cm^{-2}$	CPS	$Bq.cm^{-2}$
See ATTACHED SHEET	BG	BG	0.0	BG	0.0

INSTRUMENTS USED:	MINI/EPIS RAMDA3/PM11
SERIAL NUMBERS:	3296 8308 005/0308 001
BACKGROUND:	<1 cps 0.1 µSv/25 cps
DATE / TIME:	19/2/21 1500 HRS
INSTRUMENT RESPONSES:	OK
MONITORED BY:	T. ROBSON

COMMENTS / ACTIONS

THIS IS TO CERTIFY THAT THE ITEMS LISTED ABOVE ARE FREE FROM RADIOACTIVE CONTAMINATION (EXCEPTING NATURAL OCCURRING ACTIVITY) I.E. ACTIVITY CONCENTRATIONS ARE LESS THAN 0.4 BQ/CM^{-2}

Name:	T. ROBSON	**Grade:**	RPS
Signature:		**Date:**	19/2/21

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FIELD SAMPLE RADIATION MONITORING LOG

Location:	TIPNER SCRAPYARD	Page:	1 of 2
Project Ref:		Survey Ref:	Date: 19/2/21

BOREHOLE / TRENCH NUMBER	SAMPLE NUMBER	DEPTH metres	SAMPLE TYPE	DOSE RATE (µSv/h)	CONTAMINATION PROBE (cps)			CONTAMINATION SMEAR (cps)		
					alpha	beta	gamma	alpha	beta	gamma
BH4	01	2.0	CLAY/SHALE	<0.1		NIL	NIL		NIL	NIL
TP2	01	1.0	MUD/BRICK							
TP1	01	1.0	SOIL/RUBBLE							
BH2	01	2.0	CLAY							
BH3	01	1.0	RUBBLE							
WS7	01	1.0	RUBBLE							
WS5	01	0.9	BRICK/RUBBLE							
TP3	01	1.8	BRICK/CONCRETE							
BH5	01	7.0	CLAY							
BH8	01	1.0	CLAY/SOIL/BRICK							
BH7	01	1.5	CLAY/GRIT/CHALK							
BH9	01	0.7	CLAY/BRICK/GRIT							

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1 of 1
TIPNER SITE

INSTRUMENT RESPONSE CHECK

DATE	INSTRUMENT	SERIAL NUMBER	CALIBRATION DUE DATE	CORRECT RESPONSE TO SOURCE	DAILY RESPONSE TO SOURCE	SATISFACTORY Y/N	UNSATISFACTORY Y/N	COMMENTS	HPM INITIALS
13/2/21	MINITEPIS RAM DA3 PM11	3296 8308-003 0308-001	21-1-22 21-1-22 21-1-22	225-250 cps 0.1 µSv/h 550 cps	OK 250 OK 0.1 OK 525	Y		BEFOR & AFTER WORK	NJ
14/2/21	〃	〃	〃	〃	〃	Y		〃	NJ
15/2/21	〃	〃	〃	〃	〃	Y		〃	NJ
16/2/21	〃	〃	〃	〃	〃	Y		〃	NJ
17/2/21	〃	〃	〃	〃	〃	Y		〃	NJ
18/2/21	〃	〃	〃	〃	〃	Y		〃	NJ
19/2/21	〃	〃	〃	〃	〃	Y		〃	NJ

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TIPSEL SITE

SOURCE CONTROL LOG

DATE:	SOURCE TYPE:	SERIAL NUMBER:	TOTAL ACTIVITY:	LOG OUT TIME:	PRINT NAME	SIGNATURE:	LOG IN TIME:	PRINT NAME:	SIGNATURE:
13/2/21	Cs137	EQ/021		0700 1800	T. Robson	KS	0705 1805	T. Robson	KS
14/2/21	—11—	—11—		0700 1800	—11—	KS	—11—	—11—	KS
15/2/21	—11—	—11—		0700 1800	—11—	KS	—11—	—11—	KS
16/2/21	—11—	—11—		0700 1800	—11—	KS	—11—	—11—	KS
17/2/21	—11—	—11—		0700 1800	—11—	KS	—11—	—11—	KS
18/2/21	—11—	—11—		0700 1800	—11—	KS	—11—	—11—	KS
19/2/21	—11—	—11—		0700 1430	—11—	KS	0705 1405	—11—	KS

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Appendix 2

Analysis of Solid Samples

Client:	Matom Ltd 26 Castle Street Conwy LL32 8AY
Testing Facility:	SOCOTEC UK Unit 12 Moorbrook Southmead Industrial Park Didcot Oxfordshire OX11 7HP
Laboratory Reference:	21-0144
Customer Reference:	TIPNER SITE
Quote Number:	ENR-ANU-10169Rev1
PO Number:	0686
Samples Received:	19 February 2021
Sample Condition:	Satisfactory, Ambient
Analysis Completed:	09 March 2021
Report Author:	
Author's Name:	Charlene Hunston
Job Title:	Team Leader
Approved By:	
Approver's Name:	Trevor Harding
Job Title:	Senior Analyst
Report Date:	09 March 2021

Sample Summary

Customer Reference	Laboratory Reference	Matrix	Sampling Date
BH4 / 01	NA0860	Clay. Shale 2.0m	17/02/2021 12:30
TP2 / 01	NA0861	Brick. Mud 1.0m	17/02/2021 13:00
TP1 / 01	NA0862	Soil. Rubble 1.0m	17/02/2021 10:30
BH2 / 01	NA0863	Clay. 2.0m	16/02/2021 13:30
BH3 / 01	NA0864	Solid. Rubble 1.0m	16/02/2021 12:30
WS7 / 01	NA0865	Solid. Rubble 1.0m	16/02/2021 12:00
WS5 / 01	NA0866	Brick. Rubble 0.9m	16/02/2021 09:30
TP3 / 01	NA0867	Brick. Concrete 1.8m	17/02/2021 15:30
BH5 / 01	NA0868	Clay. 7.0m	18/02/2021 13:30
BH8 / 01	NA0869	Solid. Soil/Clay/Brick 1.0m	19/02/2021 11:50
BH7 / 01	NA0870	Clay. Grit/Chalk 1.5m	19/02/2021 14:00
BH9 / 01	NA0871	Solid. Clay/Brick/Grit 0.7m	19/02/2021 12:10

Experimental

Gamma Spectrometry

ANU/SOP/2029 – Samples were placed in containers to match the appropriate calibration geometries and then measured by high-resolution gamma ray spectrometry.

The measurement technique is based on the use of high purity germanium (HPGe) detectors coupled to an Ortec gamma ray spectroscopy system. The gamma ray spectra are stored on a computer and analysed using the software programme Fitzpeaks for photopeak identification and quantification. The detectors are calibrated for efficiency using a mixed radionuclide standard, which covers an energy range of approximately 30-2000 keV. The efficiency of gamma rays between 30 keV and 120 keV are determined on an individual basis.

Application of decay corrections for the naturally occurring daughter radionuclides of uranium and thorium assumes that the series daughter radionuclides are all in secular equilibrium and therefore decay with the half-life of the first radionuclide in the series. (^{226}Ra is not UKAS accredited)

Deviating Sample Disclaimer

H) Radiochemical analyses and sample matrices that are not covered by our UKAS accreditation are not subject to our sample deviancy procedure.

Results

Results are presented in the following tables.

Any opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.

The results in this test report relate only to the items tested, and test portions taken thereof. This test report must not be reproduced except in full, without written approval of the laboratory.

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Registered in England and Wales: 4133505 VAT Registration No: 77 25558 01

SOCOTEC

Results Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Be-7	K-40	Tl-208	Pb-210	Bi-212	Pb-212	Bi-214
BH4 / 01	**NA0860**	<11	172 ± 30	5.7 ± 1.3	<32	<20	14.5 ± 2.2	12.0 ± 2.9
TP2 / 01	**NA0861 ***	<12	320 ± 44	8.6 ± 1.7	<31	39 ± 15	22.7 ± 2.9	25.5 ± 4.0
TP1 / 01	**NA0862**	<11	134 ± 26	4.7 ± 1.3	<42	<20	11.7 ± 2.2	10.9 ± 2.8
BH2 / 01	**NA0863**	<14	572 ± 68	14.0 ± 2.1	<33	49 ± 18	44.2 ± 4.4	24.4 ± 3.7
BH3 / 01	**NA0864 ***	<12	197 ± 31	6.5 ± 1.4	<34	<20	18.2 ± 2.6	15.1 ± 2.9
WS7 / 01	**NA0865 ***	<11	199 ± 31	5.4 ± 1.5	<30	<19	15.1 ± 2.2	14.5 ± 3.0
WS5 / 01	**NA0866 ***	<12	201 ± 34	8.1 ± 1.4	<38	<21	18.7 ± 2.5	21.6 ± 3.3
TP3 / 01	**NA0867 ***	<9.5	86 ± 22	2.6 ± 1.0	<32	<16	7.9 ± 1.5	12.6 ± 2.7
BH5 / 01	**NA0868**	<13	376 ± 50	9.9 ± 1.7	<38	<23	31.0 ± 3.5	21.3 ± 3.7
BH8 / 01	**NA0869 ***	<11	164 ± 28	4.5 ± 1.2	<26	<19	11.8 ± 1.9	10.3 ± 2.5
BH7 / 01	**NA0870**	<12	195 ± 31	5.5 ± 1.3	<36	<22	17.2 ± 2.5	19.9 ± 3.3
BH9 / 01	**NA0871 ***	<9.8	122 ± 24	4.1 ± 1.1	<29	<17	11.0 ± 1.7	21.1 ± 3.0

Notes:

1. Analyses and/or samples marked with an asterisk are not covered under UKAS schedule 1252.
2. Results are presented as $Bq.kg^{-1}$ of dried and homogenised samples and are decay corrected to the sampling date.
3. Uncertainties are rounded to 2 significant figures; results are rounded to the same precision.
4. For results below the Limit of Detection, the LoD is rounded up to 2 significant figures.
5. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the sample is assumed to be homogeneous.

UKAS TESTING

SOCOTEC

Summary – Gamma Spectrometry

Customer Reference	Laboratory Reference	Pb-214	Ra-223	Ra-224	Ra-226 *	Ac-228	Th-234	U-235
BH4 / 01	**NA0860**	13.6 ± 2.2	<11	<37	<29	14.7 ± 3.4	<27	<1.8
TP2 / 01	**NA0861 ***	28.8 ± 3.1	<12	<34	48 ± 18	23.4 ± 4.7	<22	<6.0
TP1 / 01	**NA0862**	14.5 ± 2.3	<11	<36	<30	15.3 ± 5.5	<28	<1.9
BH2 / 01	**NA0863**	27.8 ± 3.1	<14	<41	<28	43.0 ± 5.7	<26	<1.8
BH3 / 01	**NA0864 ***	19.9 ± 2.6	<11	<39	<28	15.1 ± 3.8	<28	<1.8
WS7 / 01	**NA0865 ***	16.6 ± 2.3	<11	<30	<21	14.8 ± 3.9	<18	<1.3
WS5 / 01	**NA0866 ***	26.7 ± 2.9	<12	<42	<30	19.1 ± 4.3	<29	<1.9
TP3 / 01	**NA0867 ***	17.1 ± 2.3	<9.1	<19	<20	10.7 ± 4.1	<17	<1.3
BH5 / 01	**NA0868**	26.8 ± 3.0	<13	<48	<32	28.4 ± 4.9	<31	<2.0
BH8 / 01	**NA0869 ***	13.4 ± 2.0	<9.5	<28	<21	12.5 ± 3.6	<18	<1.3
BH7 / 01	**NA0870**	22.8 ± 2.7	<12	<41	<31	19.7 ± 4.5	<29	<1.9
BH9 / 01	**NA0871 ***	22.0 ± 2.4	<9.6	<27	<21	10.7 ± 4.0	<18	<1.3

Notes:

1. Analyses and/or samples marked with an asterisk are not covered under UKAS schedule 1252.
2. Results are presented as $Bq.kg^{-1}$ of dried and homogenised samples and are decay corrected to the sampling date.
3. Uncertainties are rounded to 2 significant figures; results are rounded to the same precision.
4. For results below the Limit of Detection, the LoD is rounded up to 2 significant figures.
5. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the sample is assumed to be homogeneous.
6. 226Ra has only one gamma ray at 186 keV and the major gamma ray from 235U also occurs at 186 keV. 235U can be measured by the lower abundance gamma ray at 144 keV and if a positive result for 235U is reported, the 226Ra result will be unreliable and overestimated. However even if 235U is below the LoD there may still be a contribution to the 226 235 226 226 Ra from U and the Ra result may be unreliable and overestimated. If an accurate result for Ra is required this is better obtained by radiochemical analysis.

-End of Test Report-

Appendix G

PRELIMINARY HAZWASTE ONLINE ASSESSMENT

CONFIDENTIAL

Waste Classification Report

F52AW-HQGGN-5ZQAW

Job name

Tipner West Masterplan

Description/Comments

This is a preliminary conservative assessment based on the data provided from ALS Reports Ref:210226-124; 210226-121; and 210226-129. The samples are noted to comprise Made Ground and Beach and Tidal Flat Deposits. Previous site uses include: Tipner Point Magazine (magazine, shifting house, cooperage, engine house, office and unknown tank); boathouse, tidal pond with sluice; buildings including laboratories; tram and railway lines; scrapyard; areas of landfilling / raising activity; and Lafarge Aggregates. The site is currently occupied by a redundant concrete mixing plant, waste and recycling, a shipyard and marine broker.

It should be noted that further testing may be required and any waste accepted into a landfill is at the landfill operators discretion.

Project

70064592

Site

Tipner West Masterplan

Related Documents

#	Name	Description
1	210226-124_210226-121_210226-129.hwol	.hwol file used to create the Job

Waste Stream Template

WM3.1 Contaminated Soils Template with Asbestos

Classified by

Name:
Alice Waylett
Date:
26 Mar 2021 13:44 GMT
Telephone:
01992 526 000

Company:
WSP
Unit 9 The Chase, John Tate Road, Foxholes Business Park,
John Tate Road, Foxholes Business Park
Hertford
SG13 7NN

HazWasteOnline™ Training Record:

Course	Date
Hazardous Waste Classification	07 Jun 2017
Advanced Hazardous Waste Classification	-

Report

Created by: Alice Waylett
Created date: 26 Mar 2021 13:44 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	BH1-150221-0.10-0.10		Non Hazardous		3
2	BH1-150221-2.20-2.00		Non Hazardous		8
3	BH10-190221-0.40-0.40		Non Hazardous		12
4	BH10-190221-0.75-0.75		Non Hazardous		17
5	BH10-220221-3.30-3.00		Non Hazardous		22
6	BH2-160221-0.20-0.20		Non Hazardous		26

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
7	BH2-160221-0.60-0.60		Non Hazardous		31
8	BH2-160221-3.00-3.00		Non Hazardous		35
9	BH3-170221-2.00-2.00		Non Hazardous		39
10	BH3-170221-3.00-3.00		Non Hazardous		44
11	BH3-170221-5.00-5.00		Non Hazardous		49
12	BH3-160221-0.20-0.20		Non Hazardous		54
13	BH3-160221-0.45-0.45		Non Hazardous		56
14	BH3-160221-0.85-0.85		Hazardous	HP 8	62
15	BH4-170221-0.60-0.60		Non Hazardous		68
16	BH4-170221-1.00-1.00		Non Hazardous		74
17	BH5-180221-0.60-0.60		Non Hazardous		80
18	BH5-180221-0.90-0.90		Non Hazardous		85
19	BH5-180221-3.00-3.00		Non Hazardous		90
20	BH7-190221-3.80-3.00		Non Hazardous		94
21	BH7-190221-0.15-0.15		Non Hazardous		98
22	BH7-190221-1.10-1.10		Non Hazardous		103
23	BH8-190221-0.45-0.30		Non Hazardous		108
24	BH8-190221-0.80-0.60		Non Hazardous		113
25	BH9-190221-0.35-0.35		Non Hazardous		118
26	BH9-190221-0.75-0.75		Non Hazardous		123
27	HP1-190221-0.25-0.25		Non Hazardous		127
28	HP1-190221-0.60-0.60		Hazardous	HP 3(i), HP 7, HP 11	129
29	TP1-170221-0.10-0.10		Non Hazardous		136
30	TP1-170221-0.70-0.70		Hazardous	HP 3(i), HP 7, HP 11	137
31	TP1-170221-1.15-1.15		Non Hazardous		144
32	TP2-170221-0.60-0.60		Hazardous	HP 3(i), HP 7, HP 11	150
33	TP2-170221-1.00-0.80		Non Hazardous		155
34	TP3-170221-1.80-1.80		Non Hazardous		159
35	TP3-170221-0.30-0.30		Hazardous	HP 3(i), HP 7, HP 11	164
36	TP4-170221-0.10-0.10		Non Hazardous		169
37	TP4-170221-0.50-0.50		Non Hazardous		171
38	WS1-150221-0.20-0.20		Potentially Hazardous	HP 1	176
39	WS1-150221-0.50-0.40		Non Hazardous		177
40	WS2A-150221-0.50-0.30		Hazardous	HP 3(i), HP 7, HP 8, HP 11	179
41	WS3-150221-0.30-0.30		Hazardous	HP 3(i), HP 7, HP 11, HP 14	186
42	WS3-150221-1.00-1.00		Non Hazardous		193
43	WS3-150221-1.40-1.40		Non Hazardous		199
44	WS4-160221-0.40-0.40		Non Hazardous		205
45	WS4-160221-0.80-0.80		Non Hazardous		210
46	WS5-160221-0.20-0.00		Non Hazardous		215
47	WS5-160221-0.50-0.50		Hazardous	HP 3(i), HP 7, HP 11	220
48	WS7A-160221-0.80-0.60		Non Hazardous		225
49	WS7A-160221-1.50-1.30		Non Hazardous		231
50	WS8-160221-0.40-0.30		Non Hazardous		237

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Appendix B: Rationale for selection of metal species	242
Appendix C: Version	243

Classification of sample: BH1-150221-0.10-0.10

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH1-150221-0.10-0.10
Moisture content:
17%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.3 mg/kg	1.32	15.671 mg/kg	0.00157 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.853 mg/kg	2.775	1.965 mg/kg	0.000196 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.67 mg/kg	3.22	4.463 mg/kg	0.000446 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.442 mg/kg	1.142	0.419 mg/kg	0.0000419 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22.3 mg/kg	1.462	27.052 mg/kg	0.00271 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		**<LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		69 mg/kg	1.126	64.48 mg/kg	0.00645 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	273 mg/kg		226.59 mg/kg	0.0227 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.245 mg/kg	1.353	0.275 mg/kg	0.0000275 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		19.6 mg/kg	2.637	42.894 mg/kg	0.00429 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		**<LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		389 mg/kg	2.469	797.262 mg/kg	0.0797 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		111 mg/kg		111 mg/kg	0.0111 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.09	pH		8.09	pH	8.09 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.276	mg/kg		0.229	mg/kg	0.0000229 %	✓	
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.492	mg/kg		0.408	mg/kg	0.0000408 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.624	mg/kg		0.518	mg/kg	0.0000518 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.312	mg/kg		0.259	mg/kg	0.0000259 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.372	mg/kg		0.309	mg/kg	0.0000309 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.348	mg/kg		0.289	mg/kg	0.0000289 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.312	mg/kg		0.259	mg/kg	0.0000259 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.36	mg/kg		0.299	mg/kg	0.0000299 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.324	mg/kg		0.269	mg/kg	0.0000269 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.24	mg/kg		0.199	mg/kg	0.0000199 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
79		barium { barium sulphide }				205	mg/kg	1.233	209.879	mg/kg	0.021 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				45.1	mg/kg	1.785	66.825	mg/kg	0.00668 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.158 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0111%)

Classification of sample: BH1-150221-2.20-2.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH1-150221-2.20-2.00
Moisture content:
11%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.8	mg/kg	1.32	15.041	mg/kg	0.0015 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.483	mg/kg	2.775	1.193	mg/kg	0.000119 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		3.5	mg/kg	3.22	10.03	mg/kg	0.001 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02	mg/kg	1.142	<0.0228	mg/kg	<0.00000228 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.8	mg/kg	1.462	12.748	mg/kg	0.00127 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.5	mg/kg	1.126	25.552	mg/kg	0.00256 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	12	mg/kg		10.68	mg/kg	0.00107 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.4	mg/kg	2.637	24.405	mg/kg	0.00244 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		74.2	mg/kg	2.469	163.067	mg/kg	0.0163 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				10.3	pH		10.3	pH	10.3 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
79		barium { barium sulphide }				11.5	mg/kg	1.233	12.625	mg/kg	0.00126 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				30	mg/kg	1.785	47.664	mg/kg	0.00477 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.0344 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH10-190221-0.40-0.40

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH10-190221-0.40-0.40
Moisture content:
19%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.09 mg/kg	1.32	1.166 mg/kg	0.000117 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.101 mg/kg	2.775	0.227 mg/kg	0.0000227 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.1 mg/kg	3.22	<0.322 mg/kg	<0.0000322 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.298 mg/kg	1.142	0.276 mg/kg	0.0000276 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.67 mg/kg	1.462	1.977 mg/kg	0.000198 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.54 mg/kg	1.126	3.228 mg/kg	0.000323 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10 mg/kg		8.1 mg/kg	0.00081 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		2.34 mg/kg	2.637	4.998 mg/kg	0.0005 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.01 mg/kg	1.405	<0.0141 mg/kg	<0.00000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		16.8 mg/kg	2.469	33.602 mg/kg	0.00336 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		88 mg/kg		88 mg/kg	0.0088 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				8.63	pH		8.63	pH	8.63 pH		
				PH									
21		naphthalene				0.344	mg/kg		0.279	mg/kg	0.0000279 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				0.172	mg/kg		0.139	mg/kg	0.0000139 %	✓	
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				1.33	mg/kg		1.077	mg/kg	0.000108 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.221	mg/kg		0.179	mg/kg	0.0000179 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				1.55	mg/kg		1.256	mg/kg	0.000126 %	✓	
			205-912-4	206-44-0									
28		pyrene				2.04	mg/kg		1.652	mg/kg	0.000165 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.959	mg/kg		0.777	mg/kg	0.0000777 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.8	mg/kg		0.648	mg/kg	0.0000648 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.726	mg/kg		0.588	mg/kg	0.0000588 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.726	mg/kg		0.588	mg/kg	0.0000588 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.959	mg/kg		0.777	mg/kg	0.0000777 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.64	mg/kg		0.518	mg/kg	0.0000518 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.541	mg/kg		0.438	mg/kg	0.0000438 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		1-naphtol	604-029-00-5	201-969-4	90-15-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
42		pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
43		nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
44		nitrobenzene	609-003-00-7	202-716-0	98-95-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
45		3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
46		hexachloroethane		200-666-4	67-72-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
47		hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
48		hexachlorobutadiene		201-765-5	87-68-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
49		di-n-octyl phthalate		204-214-7	117-84-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
50		dimethyl phthalate		205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
51		diethyl phthalate		201-550-6	84-66-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
52		dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
53		dibenzofuran		205-071-3	132-64-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
54		carbazole		201-696-0	86-74-8		0.148	mg/kg		0.12	mg/kg	0.000012 %	✓	
55		BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
57		bis(2-chloroethoxy)methane		203-920-2	111-91-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
58		bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
59		azobenzene	611-001-00-6	203-102-5	103-33-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
60		4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
61		4-chlorophenylphenylether		230-281-7	7005-72-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
62		4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
64		4-bromophenylphenylether		202-952-4	101-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
65		2-nitrophenol		201-857-5	88-75-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
66		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
68		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]											
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]											
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
71		2,4-dichlorophenol											
		604-011-00-7	204-429-6	120-83-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
72		2,4,6-trichlorophenol											
		604-018-00-5	201-795-9	88-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
73		2,4,5-trichlorophenol											
		604-017-00-X	202-467-8	95-95-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
74		1,4-dichlorobenzene; p-dichlorobenzene											
		602-035-00-2	203-400-5	106-46-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
75		1,3-dichlorbenzene											
		602-067-00-7	208-792-1	541-73-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
76		1,2-dichlorobenzene; o-dichlorobenzene											
		602-034-00-7	202-425-9	95-50-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
77		2-chloronaphthalene											
			202-079-9	91-58-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
78		2-methyl naphthalene											
			202-078-3	91-57-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
79		barium { barium sulphide }											
		016-002-00-X	244-214-4	21109-95-5		15.3	mg/kg	1.233	15.287	mg/kg	0.00153 %	✓	
80		vanadium { divanadium pentaoxide; vanadium pentoxide }											
		023-001-00-8	215-239-8	1314-62-1		3.67	mg/kg	1.785	5.307	mg/kg	0.000531 %	✓	
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]											
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		**<LOD**
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		**<LOD**
										Total:	0.018 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0088%)

Classification of sample: BH10-190221-0.75-0.75

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH10-190221-0.75-0.75
Moisture content:
11%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.17 mg/kg	1.32	7.25 mg/kg	0.000725 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.121 mg/kg	2.775	0.299 mg/kg	0.0000299 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0271 mg/kg	1.142	0.0276 mg/kg	0.00000276 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.84 mg/kg	1.462	8.897 mg/kg	0.00089 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.33 mg/kg	1.126	5.341 mg/kg	0.000534 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	34.4 mg/kg		30.616 mg/kg	0.00306 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		5.88 mg/kg	2.637	13.798 mg/kg	0.00138 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		25.6 mg/kg	2.469	56.26 mg/kg	0.00563 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		35.5 mg/kg		35.5 mg/kg	0.00355 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.73	pH		8.73	pH	8.73 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.113	mg/kg		0.101	mg/kg	0.0000101 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				0.0904	mg/kg		0.0805	mg/kg	0.00000805 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		asbestos				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
				77536-68-6 77536-67-5 12001-29-5							
40		1,2-dihydroxybenzene; pyrocatechol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9							
41		resorcinol; 1,3-benzenediol				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3							
42		1-naphtol				0.0339 mg/kg		0.0302 mg/kg	0.00000302 %	✓	
		604-029-00-5	201-969-4	90-15-3							
43		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
44		nitrosodipropylamine				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7							
45		nitrobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3							
46		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1							
47	●	hexachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1							
48		hexachlorocyclopentadiene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4							
49	●	hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3							
50	●	di-n-octyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0							
51	●	dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3							
52	●	diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2							
53		dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
54	●	dibenzofuran				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9							
55	●	carbazole				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8							
56		BBP; benzyl butyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7							
57		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7							
58	●	bis(2-chloroethoxy)methane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1							
59		bis(2-chloroethyl) ether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4							
60		azobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3							
61		4-nitrophenol; p-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7							
62	●	4-chlorophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3							
63		4-chloroaniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8							
64		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7							
65	●	4-bromophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3							
66	●	2-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5							
67		1,2,4-trichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
68		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
69		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
70		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
71		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
72		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
73		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
74		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
75		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
76		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
77		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
78		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
79		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
80		barium { barium sulphide }				22.3	mg/kg	1.233	24.481	mg/kg	0.00245 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
81		vanadium { divanadium pentaoxide; vanadium pentoxide }				14.6	mg/kg	1.785	23.197	mg/kg	0.00232 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
82		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
83		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.023 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00355%)

Classification of sample: BH10-220221-3.30-3.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH10-220221-3.30-3.00
Moisture content:
16%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.76 mg/kg	1.32	3.061 mg/kg	0.000306 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.129 mg/kg	2.775	0.301 mg/kg	0.0000301 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.28 mg/kg	3.22	6.167 mg/kg	0.000617 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.457 mg/kg	1.142	0.439 mg/kg	0.0000439 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.34 mg/kg	1.462	6.556 mg/kg	0.000656 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.61 mg/kg	1.126	5.306 mg/kg	0.000531 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10.8 mg/kg		9.072 mg/kg	0.000907 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		5.98 mg/kg	2.637	13.245 mg/kg	0.00132 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		25.7 mg/kg	2.469	53.307 mg/kg	0.00533 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				9.73	pH		9.73	pH	9.73 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		1-naphtol	604-029-00-5	201-969-4	90-15-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
42		pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
43		nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
44		nitrobenzene	609-003-00-7	202-716-0	98-95-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
45		3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
46		hexachloroethane		200-666-4	67-72-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
47		hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
48		hexachlorobutadiene		201-765-5	87-68-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
49		di-n-octyl phthalate		204-214-7	117-84-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
50		dimethyl phthalate		205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
51		diethyl phthalate		201-550-6	84-66-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
52		dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
53		dibenzofuran		205-071-3	132-64-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
54		carbazole		201-696-0	86-74-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
55		BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
57		bis(2-chloroethoxy)methane		203-920-2	111-91-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
58		bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
59		azobenzene	611-001-00-6	203-102-5	103-33-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
60		4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
61		4-chlorophenylphenylether		230-281-7	7005-72-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
62		4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
64		4-bromophenylphenylether		202-952-4	101-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
65		2-nitrophenol		201-857-5	88-75-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
66		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
68		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
79		barium { barium sulphide }				20.6	mg/kg	1.233	21.344	mg/kg	0.00213 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				10.4	mg/kg	1.785	15.595	mg/kg	0.00156 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.0155 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH2-160221-0.20-0.20

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH2-160221-0.20-0.20
Moisture content:
14%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.1 mg/kg	1.32	13.739 mg/kg	0.00137 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.533 mg/kg	2.775	1.272 mg/kg	0.000127 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.45 mg/kg	3.22	4.015 mg/kg	0.000402 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0521 mg/kg	1.142	0.0512 mg/kg	0.00000512 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21.4 mg/kg	1.462	26.898 mg/kg	0.00269 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	20.334 mg/kg	0.00203 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	52.6 mg/kg		45.236 mg/kg	0.00452 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		19.3 mg/kg	2.637	43.764 mg/kg	0.00438 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		83.6 mg/kg	2.469	177.533 mg/kg	0.0178 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				9.09	pH		9.09	pH	9.09 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				0.174	mg/kg		0.15	mg/kg	0.000015 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.22	mg/kg		0.189	mg/kg	0.0000189 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.128	mg/kg		0.11	mg/kg	0.000011 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.128	mg/kg		0.11	mg/kg	0.000011 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.116	mg/kg		0.0998	mg/kg	0.00000998 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.116	mg/kg		0.0998	mg/kg	0.00000998 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
79		barium { barium sulphide }				48	mg/kg	1.233	50.919	mg/kg	0.00509 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				42.2	mg/kg	1.785	64.788	mg/kg	0.00648 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
83		ethylene dinitrate; ethylene glycol dinitrate				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		603-032-00-9	211-063-0	628-96-6									
84		glycerol trinitrate; nitroglycerine				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		603-034-00-X	200-240-8	55-63-0									
85		pentaerythritol tetranitrate; P.E.T.N.				<5	mg/kg		<5	mg/kg	<0.0005 %		<**LOD**
		603-035-00-5	201-084-3	78-11-5									
86		2,4,6-trinitrophenol; picric acid				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-009-00-X	201-865-9	88-89-1									
87		N-methyl-N-2,4,6-tetranitroaniline; tetryl				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		612-017-00-6	207-531-9	479-45-8									
88		2,4,6-trinitrotoluene; TNT				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-008-00-4	204-289-6	118-96-7									
										Total:	0.0478 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH2-160221-0.60-0.60

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH2-160221-0.60-0.60
Moisture content:
13%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.12 mg/kg	1.32	9.327 mg/kg	0.000933 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.627 mg/kg	2.775	1.514 mg/kg	0.000151 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.7 mg/kg	3.22	4.762 mg/kg	0.000476 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23.1 mg/kg	1.462	29.373 mg/kg	0.00294 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	10.775 mg/kg	0.00108 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16.3 mg/kg		14.181 mg/kg	0.00142 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		17.2 mg/kg	2.637	39.455 mg/kg	0.00395 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		56.3 mg/kg	2.469	120.949 mg/kg	0.0121 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.31	pH		8.31	pH	8.31 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
71		2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2							
72		2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2							
73		2,4,5-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4							
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7							
75		1,3-dichlorbenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1							
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1							
77		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7							
78		2-methyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6							
79		barium { barium sulphide }				23.2 mg/kg	1.233	24.897 mg/kg	0.00249 %	✓	
		016-002-00-X	244-214-4	21109-95-5							
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				45.4 mg/kg	1.785	70.511 mg/kg	0.00705 %	✓	
		023-001-00-8	215-239-8	1314-62-1							
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
								Total:	0.0347 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH2-160221-3.00-3.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH2-160221-3.00-3.00
Moisture content:
13%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.24 mg/kg	1.32	4.87 mg/kg	0.000487 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.446 mg/kg	2.775	1.077 mg/kg	0.000108 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.27 mg/kg	3.22	6.359 mg/kg	0.000636 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.298 mg/kg	1.142	0.296 mg/kg	0.0000296 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13.9 mg/kg	1.462	17.675 mg/kg	0.00177 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.13 mg/kg	1.126	6.984 mg/kg	0.000698 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	3.95 mg/kg		3.437 mg/kg	0.000344 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		23.4 mg/kg	2.637	53.678 mg/kg	0.00537 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		39.2 mg/kg	2.469	84.213 mg/kg	0.00842 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
15		benzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
16		toluene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
17		ethylbenzene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
18		xylene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
		006-007-00-5									
20		pH				8.87 pH		8.87 pH	8.87 pH		
				PH							
21		naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
23		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
24		fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7							
25		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8							
26		anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7							
27		fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0							
28		pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0							
29		benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33		benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
34		indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5							
35		dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
36		benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2							
37		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
38		hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
39		1,2-dihydroxybenzene; pyrocatechol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9							
40		resorcinol; 1,3-benzenediol				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]									
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]									
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
71		2,4-dichlorophenol									
		604-011-00-7	204-429-6	120-83-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
72		2,4,6-trichlorophenol									
		604-018-00-5	201-795-9	88-06-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
73		2,4,5-trichlorophenol									
		604-017-00-X	202-467-8	95-95-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
74		1,4-dichlorobenzene; p-dichlorobenzene									
		602-035-00-2	203-400-5	106-46-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
75		1,3-dichlorbenzene									
		602-067-00-7	208-792-1	541-73-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
76		1,2-dichlorobenzene; o-dichlorobenzene									
		602-034-00-7	202-425-9	95-50-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
77		2-chloronaphthalene									
			202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
78		2-methyl naphthalene									
			202-078-3	91-57-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
79		barium { barium sulphide }									
		016-002-00-X	244-214-4	21109-95-5		31.9 mg/kg	1.233	34.233 mg/kg	0.00342 %	✓	
80		vanadium { divanadium pentaoxide; vanadium pentoxide }									
		023-001-00-8	215-239-8	1314-62-1		21.5 mg/kg	1.785	33.392 mg/kg	0.00334 %	✓	
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]									
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]									
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
								Total:	0.0267 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH3-170221-2.00-2.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH3-170221-2.00-2.00
Moisture content:
2.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 2.1% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1	●	TPH (C6 to C40) petroleum group TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<**LOD**
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
5	●	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<**LOD**
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
8	●	acenaphthylene 205-917-1 / 208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
9	●	acenaphthene 201-469-6 / 83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	●	fluorene 201-695-5 / 86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
11	●	phenanthrene 201-581-5 / 85-01-8		0.102 mg/kg		0.0999 mg/kg	0.00000999 %	✓	
12	●	anthracene 204-371-1 / 120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
13	●	fluoranthene 205-912-4 / 206-44-0		0.214 mg/kg		0.21 mg/kg	0.000021 %	✓	
14	●	pyrene 204-927-3 / 129-00-0		0.286 mg/kg		0.28 mg/kg	0.000028 %	✓	
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		0.163 mg/kg		0.16 mg/kg	0.000016 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				0.133	mg/kg		0.13	mg/kg	0.000013 %	✓	
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.102	mg/kg		0.0999	mg/kg	0.00000999 %	✓	
		601-032-00-3	200-028-5	50-32-8									
20		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
23		phenol				0.0613	mg/kg		0.06	mg/kg	0.000006 %	✓	
		604-001-00-2	203-632-7	108-95-2									
24		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
25		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
26		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
27		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
28		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
29		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
30		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
31		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
32		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
33		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
34		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
35		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
36		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
37		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
38		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
39		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
40		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
41		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
42		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
43		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
44		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
45		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
46		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
47		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
48		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
49		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
50		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
51		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
52		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
53		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
54		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
55		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
56		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
57		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
58		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
59		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
60		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
61		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
62		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
63		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
64		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
65		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
66		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
67		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
68		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
69		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
70		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]									
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
71		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]									
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
72		dichlorodifluoromethane									
			200-893-9	75-71-8		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<**LOD**
73		chloromethane; methyl chloride									
		602-001-00-7	200-817-4	74-87-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
74		bromomethane; methylbromide									
		602-002-00-2	200-813-2	74-83-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
75		chloroethane									
		602-009-00-0	200-830-5	75-00-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
76		trichlorofluoromethane									
			200-892-3	75-69-4		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<**LOD**
77		1,1-dichloroethylene; vinylidene chloride									
		602-025-00-8	200-864-0	75-35-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
78		carbon disulphide									
		006-003-00-3	200-843-6	75-15-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
79		dichloromethane; methylene chloride									
		602-004-00-3	200-838-9	75-09-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
80		2,2-dichloropropane									
			209-832-0	594-20-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
81		bromochloromethane									
			200-826-3	74-97-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
82		chloroform; trichloromethane									
		602-006-00-4	200-663-8	67-66-3		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
83		1,1,1-trichloroethane; methyl chloroform									
		602-013-00-2	200-756-3	71-55-6		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
84		1,1-dichloropropene									
		602-031-00-0	209-253-3	563-58-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
85		1,2-dichloropropane; propylene dichloride									
		602-020-00-0	201-152-2	78-87-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
86		dibromomethane									
		602-003-00-8	200-824-2	74-95-3		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<**LOD**
87		bromodichloromethane									
			200-856-7	75-27-4		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
88		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]									
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
89		trans-1,3-dichloropropene									
			431-460-4	10061-02-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
90		1,1,2-trichloroethane									
		602-014-00-8	201-166-9	79-00-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
91		1,3-dichloropropane									
			205-531-3	142-28-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
92		dibromochloromethane									
			204-704-0	124-48-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
93		1,2-dibromoethane									
		602-010-00-6	203-444-5	106-93-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
94		chlorobenzene									
		602-033-00-1	203-628-5	108-90-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
95		1,1,1,2-tetrachloroethane									
			211-135-1	630-20-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
96		styrene									
		601-026-00-0	202-851-5	100-42-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
97		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
98		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
99		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
100		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
101		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
102	•	tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
103		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
104	•	sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									
105	•	4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6									
106	•	n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8									
107		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
108		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8									
109	•	1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6									
110		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
111		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
112		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.00216 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: BH3-170221-3.00-3.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH3-170221-3.00-3.00
Moisture content:
21%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 21% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		61.2	mg/kg		61.2	mg/kg	0.00612 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
8	●	acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
9	●	acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
10	●	fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
11	●	phenanthrene		201-581-5	85-01-8		0.127	mg/kg		0.1	mg/kg	0.00001 %	✓	
12	●	anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
13	●	fluoranthene		205-912-4	206-44-0		0.203	mg/kg		0.16	mg/kg	0.000016 %	✓	
14	●	pyrene		204-927-3	129-00-0		0.267	mg/kg		0.211	mg/kg	0.0000211 %	✓	
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.165	mg/kg		0.13	mg/kg	0.000013 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				0.14	mg/kg		0.111	mg/kg	0.0000111 %	✓	
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.127	mg/kg		0.1	mg/kg	0.00001 %	✓	
		601-032-00-3	200-028-5	50-32-8									
20	●	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	●	benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
23		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
24	●	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
25		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
26		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
27		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
28		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
29		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
30		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
31		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
32		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
33		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
34		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
35		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
36		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
37	●	hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
38		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
39	●	hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
40	●	di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
41	●	dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
42	●	diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
43		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
44	●	dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
45		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
46		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
47		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
48		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
49		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
50		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
51		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
52		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
53		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
54		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
55		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
56		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
57		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
58		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
59		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
60		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
61		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
62		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
63		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
64		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
65		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
66		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
67		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
68		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
69		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
70		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]									
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
71		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]									
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
72		dichlorodifluoromethane									
			200-893-9	75-71-8		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
73		chloromethane; methyl chloride									
		602-001-00-7	200-817-4	74-87-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
74		bromomethane; methylbromide									
		602-002-00-2	200-813-2	74-83-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
75		chloroethane									
		602-009-00-0	200-830-5	75-00-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
76		trichlorofluoromethane									
			200-892-3	75-69-4		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
77		1,1-dichloroethylene; vinylidene chloride									
		602-025-00-8	200-864-0	75-35-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
78		carbon disulphide									
		006-003-00-3	200-843-6	75-15-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
79		dichloromethane; methylene chloride									
		602-004-00-3	200-838-9	75-09-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
80		2,2-dichloropropane									
			209-832-0	594-20-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
81		bromochloromethane									
			200-826-3	74-97-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82		chloroform; trichloromethane									
		602-006-00-4	200-663-8	67-66-3		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
83		1,1,1-trichloroethane; methyl chloroform									
		602-013-00-2	200-756-3	71-55-6		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
84		1,1-dichloropropene									
		602-031-00-0	209-253-3	563-58-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
85		1,2-dichloropropane; propylene dichloride									
		602-020-00-0	201-152-2	78-87-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
86		dibromomethane									
		602-003-00-8	200-824-2	74-95-3		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
87		bromodichloromethane									
			200-856-7	75-27-4		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
88		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]									
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
89		trans-1,3-dichloropropene									
			431-460-4	10061-02-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
90		1,1,2-trichloroethane									
		602-014-00-8	201-166-9	79-00-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
91		1,3-dichloropropane									
			205-531-3	142-28-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
92		dibromochloromethane									
			204-704-0	124-48-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
93		1,2-dibromoethane									
		602-010-00-6	203-444-5	106-93-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
94		chlorobenzene									
		602-033-00-1	203-628-5	108-90-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
95		1,1,1,2-tetrachloroethane									
			211-135-1	630-20-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
96		styrene									
		601-026-00-0	202-851-5	100-42-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
97		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
98		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
99		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
100		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
101		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
102	●	tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
103		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
104	●	sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									
105	●	4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6									
106	●	n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8									
107		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
108		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8									
109	●	1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6									
110		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
111		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
112		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.00726 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00612%)

Classification of sample: BH3-170221-5.00-5.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH3-170221-5.00-5.00
Moisture content:
14%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1	●	TPH (C6 to C40) petroleum group / / TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<**LOD**
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
5	●	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<**LOD**
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
8	●	acenaphthylene / 205-917-1 / 208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
9	●	acenaphthene / 201-469-6 / 83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	●	fluorene / 201-695-5 / 86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
11	●	phenanthrene / 201-581-5 / 85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
12	●	anthracene / 204-371-1 / 120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
13	●	fluoranthene / 205-912-4 / 206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
14	●	pyrene / 204-927-3 / 129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
23		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
24		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
25		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
26		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
27		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
28		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
29		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
30		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
31		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
32		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
33		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
34		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
35		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
36		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
37		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
38		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
39		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
40		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
41		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
42		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
43		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
44		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
45		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
46		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
47		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
48		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
49		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
50		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
51		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
52		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
53		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
54		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
55		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
56		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
57		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
58		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
59		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
60		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
61		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
62		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
63		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
64		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
65		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
66		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
67		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
68		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
69		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
70		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]									
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
71		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]									
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
72		dichlorodifluoromethane									
			200-893-9	75-71-8		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<**LOD**
73		chloromethane; methyl chloride									
		602-001-00-7	200-817-4	74-87-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
74		bromomethane; methylbromide									
		602-002-00-2	200-813-2	74-83-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
75		chloroethane									
		602-009-00-0	200-830-5	75-00-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
76		trichlorofluoromethane									
			200-892-3	75-69-4		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<**LOD**
77		1,1-dichloroethylene; vinylidene chloride									
		602-025-00-8	200-864-0	75-35-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
78		carbon disulphide									
		006-003-00-3	200-843-6	75-15-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
79		dichloromethane; methylene chloride									
		602-004-00-3	200-838-9	75-09-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
80		2,2-dichloropropane									
			209-832-0	594-20-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
81		bromochloromethane									
			200-826-3	74-97-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
82		chloroform; trichloromethane									
		602-006-00-4	200-663-8	67-66-3		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
83		1,1,1-trichloroethane; methyl chloroform									
		602-013-00-2	200-756-3	71-55-6		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
84		1,1-dichloropropene									
		602-031-00-0	209-253-3	563-58-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
85		1,2-dichloropropane; propylene dichloride									
		602-020-00-0	201-152-2	78-87-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
86		dibromomethane									
		602-003-00-8	200-824-2	74-95-3		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<**LOD**
87		bromodichloromethane									
			200-856-7	75-27-4		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
88		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]									
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
89		trans-1,3-dichloropropene									
			431-460-4	10061-02-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
90		1,1,2-trichloroethane									
		602-014-00-8	201-166-9	79-00-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
91		1,3-dichloropropane									
			205-531-3	142-28-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
92		dibromochloromethane									
			204-704-0	124-48-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
93		1,2-dibromoethane									
		602-010-00-6	203-444-5	106-93-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
94		chlorobenzene									
		602-033-00-1	203-628-5	108-90-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
95		1,1,1,2-tetrachloroethane									
			211-135-1	630-20-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
96		styrene									
		601-026-00-0	202-851-5	100-42-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
97		bromoform; tribromomethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
		602-007-00-X	200-854-6	75-25-2							
98		1,1,2,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
		602-015-00-3	201-197-8	79-34-5							
99		1,2,3-trichloropropane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		**<LOD**
		602-062-00-X	202-486-1	96-18-4							
100		bromobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
		602-060-00-9	203-623-8	108-86-1							
101		mesitylene; 1,3,5-trimethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		**<LOD**
		601-025-00-5	203-604-4	108-67-8							
102	●	tert-butylbenzene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		**<LOD**
			202-632-4	98-06-6							
103		1,2,4-trimethylbenzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		**<LOD**
		601-043-00-3	202-436-9	95-63-6							
104	●	sec-butylbenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
			205-227-0	135-98-8							
105	●	4-isopropyltoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
			202-796-7	99-87-6							
106	●	n-butylbenzene				<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		**<LOD**
			203-209-7	104-51-8							
107		1,2-dibromo-3-chloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		**<LOD**
		602-021-00-6	202-479-3	96-12-8							
108		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
		603-213-00-2	213-611-4	994-05-8							
109	●	1,2,3-trichlorobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		**<LOD**
			201-757-1	87-61-6							
110		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		**<LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
111		cumene; [1] propylbenzene [2]				<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		**<LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
112		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19 mg/kg		<0.19 mg/kg	<0.000019 %		**<LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
								Total:	0.00212 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: BH3-160221-0.20-0.20

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH3-160221-0.20-0.20

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.0145 mg/kg	1.32	0.0191 mg/kg	0.00000191 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.001 mg/kg	2.775	<0.0027 mg/kg	<0.000000278 %		<LOD
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.331 mg/kg	3.22	1.066 mg/kg	0.000107 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.0008 mg/kg	1.142	<0.0009 mg/kg	<0.000000091 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		<0.003 mg/kg	1.126	<0.0033 mg/kg	<0.000000338 %		<LOD
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	0.0142 mg/kg		0.0142 mg/kg	0.00000142 %	✓	
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		0.004 mg/kg	2.637	0.0107 mg/kg	0.00000107 %	✓	
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.01 mg/kg	1.405	<0.0141 mg/kg	<0.00000141 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		0.0199 mg/kg	2.469	0.0491 mg/kg	0.00000491 %	✓	
11	barium { barium sulphide }	016-002-00-X	244-214-4	21109-95-5		0.0526 mg/kg	1.233	0.0649 mg/kg	0.00000649 %	✓	
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		0.19 mg/kg	1.785	0.339 mg/kg	0.0000339 %	✓	
13	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.0281 mg/kg	1.462	0.0411 mg/kg	0.00000411 %		
								Total:	0.00016 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH3-160221-0.45-0.45

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH3-160221-0.45-0.45
Moisture content:
11%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.51 mg/kg	1.32	2.949 mg/kg	0.000295 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.148 mg/kg	2.775	0.366 mg/kg	0.0000366 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.257 mg/kg	1.142	0.261 mg/kg	0.0000261 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.11 mg/kg	1.462	5.346 mg/kg	0.000535 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.61 mg/kg	1.126	6.623 mg/kg	0.000662 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	24.5 mg/kg		21.805 mg/kg	0.00218 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		3.72 mg/kg	2.637	8.73 mg/kg	0.000873 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		31.5 mg/kg	2.469	69.227 mg/kg	0.00692 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		62.4 mg/kg		62.4 mg/kg	0.00624 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				9.65	pH		9.65	pH	9.65 pH		
				PH									
21		naphthalene				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				0.314	mg/kg		0.279	mg/kg	0.0000279 %	✓	
			201-581-5	85-01-8									
26		anthracene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				0.75	mg/kg		0.668	mg/kg	0.0000668 %	✓	
			205-912-4	206-44-0									
28		pyrene				1.06	mg/kg		0.943	mg/kg	0.0000943 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.874	mg/kg		0.778	mg/kg	0.0000778 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.762	mg/kg		0.678	mg/kg	0.0000678 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.504	mg/kg		0.449	mg/kg	0.0000449 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.571	mg/kg		0.508	mg/kg	0.0000508 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.672	mg/kg		0.598	mg/kg	0.0000598 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.459	mg/kg		0.409	mg/kg	0.0000409 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.314	mg/kg		0.279	mg/kg	0.0000279 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
40		carbon tetrachloride; tetrachloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
41		trichloroethylene; trichloroethene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
42		vinyl chloride; chloroethylene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
43		hexachlorobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
44		1,2-dihydroxybenzene; pyrocatechol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9							
45		resorcinol; 1,3-benzenediol				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3							
46		1-naphtol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3							
47		pentachlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
48		nitrosodipropylamine				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		612-098-00-8	210-698-0	621-64-7							
49		nitrobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		609-003-00-7	202-716-0	98-95-3							
50		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		606-012-00-8	201-126-0	78-59-1							
51		hexachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			200-666-4	67-72-1							
52		hexachlorocyclopentadiene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		602-078-00-7	201-029-3	77-47-4							
53		hexachlorobutadiene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			201-765-5	87-68-3							
54		di-n-octyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0							
55		dimethyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-011-6	131-11-3							
56		diethyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2							
57		dibutyl phthalate; DBP				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
58		dibenzofuran				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9							
59		carbazole				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			201-696-0	86-74-8							
60		BBP; benzyl butyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7							
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7							
62		bis(2-chloroethoxy)methane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			203-920-2	111-91-1							
63		bis(2-chloroethyl) ether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4							
64		azobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		611-001-00-6	203-102-5	103-33-3							
65		4-nitrophenol; p-nitrophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		609-015-00-2	202-811-7	100-02-7							
66		4-chlorophenylphenylether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			230-281-7	7005-72-3							
67		4-chloroaniline				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		612-137-00-9	203-401-0	106-47-8							
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-014-00-3	200-431-6	59-50-7							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-078-3	91-57-6									
84		barium { barium sulphide }				29.4	mg/kg	1.233	32.276	mg/kg	0.00323 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				7.16	mg/kg	1.785	11.376	mg/kg	0.00114 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
90		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
91		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
92		trichlorofluoromethane				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4							
93		1,1-dichloroethylene; vinylidene chloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4							
94		carbon disulphide				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0							
95		dichloromethane; methylene chloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2							
96		2,2-dichloropropane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7							
97		bromochloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5							
98		chloroform; trichloromethane				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
99		1,1,1-trichloroethane; methyl chloroform				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
100		1,1-dichloropropene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
101		1,2-dichloropropane; propylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
102		dibromomethane				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
103		bromodichloromethane				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4							
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
105		trans-1,3-dichloropropene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6							
106		1,1,2-trichloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
107		1,3-dichloropropane				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9							
108		dibromochloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1							
109		1,2-dibromoethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
110		chlorobenzene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
111		1,1,1,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6							
112		styrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
113		bromoform; tribromomethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
114		1,1,2,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
115		1,2,3-trichloropropane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
116		bromobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
117		mesitylene; 1,3,5-trimethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
118		tert-butylbenzene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6							
119		1,2,4-trimethylbenzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
120		sec-butylbenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
121		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-796-7	99-87-6									
122		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
			203-209-7	104-51-8									
123		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
124		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-213-00-2	213-611-4	994-05-8									
125		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-757-1	87-61-6									
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
127		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<**LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.025 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00624%)

Classification of sample: BH3-160221-0.85-0.85

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:
BH3-160221-0.85-0.85
Moisture content:
6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH: (conc.: 11.5 pH)

Determinands

Moisture content: 6% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.6 mg/kg	1.32	4.468 mg/kg	0.000447 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.198 mg/kg	2.775	0.517 mg/kg	0.0000517 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.09 mg/kg	3.22	3.299 mg/kg	0.00033 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.35 mg/kg	1.462	5.976 mg/kg	0.000598 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.26 mg/kg	1.126	4.509 mg/kg	0.000451 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22.8 mg/kg		21.432 mg/kg	0.00214 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		4.57 mg/kg	2.637	11.327 mg/kg	0.00113 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		26.4 mg/kg	2.469	61.278 mg/kg	0.00613 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		58.3 mg/kg		58.3 mg/kg	0.00583 %		
14	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
15	benzene	601-020-00-8	200-753-7	71-43-2		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<**LOD**
16	toluene	601-021-00-3	203-625-9	108-88-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<**LOD**
17	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<**LOD**
18	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
19	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
20	pH			PH		11.5 pH		11.5 pH	11.5 pH		
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
24	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25	phenanthrene		201-581-5	85-01-8		0.64 mg/kg		0.602 mg/kg	0.0000602 %	✓	
26	anthracene		204-371-1	120-12-7		0.127 mg/kg		0.119 mg/kg	0.0000119 %	✓	
27	fluoranthene		205-912-4	206-44-0		1.06 mg/kg		0.996 mg/kg	0.0000996 %	✓	
28	pyrene		204-927-3	129-00-0		1.71 mg/kg		1.607 mg/kg	0.000161 %	✓	
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.877 mg/kg		0.824 mg/kg	0.0000824 %	✓	
30	chrysene	601-048-00-0	205-923-4	218-01-9		0.891 mg/kg		0.838 mg/kg	0.0000838 %	✓	
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.563 mg/kg		0.529 mg/kg	0.0000529 %	✓	
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.416 mg/kg		0.391 mg/kg	0.0000391 %	✓	
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.709 mg/kg		0.666 mg/kg	0.0000666 %	✓	
34	indeno[123-cd]pyrene		205-893-2	193-39-5		0.485 mg/kg		0.456 mg/kg	0.0000456 %	✓	
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
36	benzo[ghi]perylene		205-883-8	191-24-2		0.281 mg/kg		0.264 mg/kg	0.0000264 %	✓	
37	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
38		1,1-dichloroethane and 1,2-dichloroethane (combined)									
			203-458-1, 200-863-5	107-06-2, 75-34-3		<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<LOD
39		tetrachloroethylene									
		602-028-00-4	204-825-9	127-18-4		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
40		carbon tetrachloride; tetrachloromethane									
		602-008-00-5	200-262-8	56-23-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
41		trichloroethylene; trichloroethene									
		602-027-00-9	201-167-4	79-01-6		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
42		vinyl chloride; chloroethylene									
		602-023-00-7	200-831-0	75-01-4		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
43		hexachlorobenzene									
		602-065-00-6	204-273-9	118-74-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
44		1,2-dihydroxybenzene; pyrocatechol									
		604-016-00-4	204-427-5	120-80-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45		resorcinol; 1,3-benzenediol									
		604-010-00-1	203-585-2	108-46-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
46		1-naphtol									
		604-029-00-5	201-969-4	90-15-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47		pentachlorophenol									
		604-002-00-8	201-778-6	87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
48		nitrosodipropylamine									
		612-098-00-8	210-698-0	621-64-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
49		nitrobenzene									
		609-003-00-7	202-716-0	98-95-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
50		3,5,5-trimethylcyclohex-2-enone; isophorone									
		606-012-00-8	201-126-0	78-59-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
51		hexachloroethane									
			200-666-4	67-72-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
52		hexachlorocyclopentadiene									
		602-078-00-7	201-029-3	77-47-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
53		hexachlorobutadiene									
			201-765-5	87-68-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
54		di-n-octyl phthalate									
			204-214-7	117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
55		dimethyl phthalate									
			205-011-6	131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
56		diethyl phthalate									
			201-550-6	84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
57		dibutyl phthalate; DBP									
		607-318-00-4	201-557-4	84-74-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
58		dibenzofuran									
			205-071-3	132-64-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
59		carbazole									
			201-696-0	86-74-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
60		BBP; benzyl butyl phthalate									
		607-430-00-3	201-622-7	85-68-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP									
		607-317-00-9	204-211-0	117-81-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
62		bis(2-chloroethoxy)methane									
			203-920-2	111-91-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
63		bis(2-chloroethyl) ether									
		603-029-00-2	203-870-1	111-44-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
64		azobenzene									
		611-001-00-6	203-102-5	103-33-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
65		4-nitrophenol; p-nitrophenol									
		609-015-00-2	202-811-7	100-02-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
66		4-chlorophenylphenylether									
			230-281-7	7005-72-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
67		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
69		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
84		barium { barium sulphide }				26.5	mg/kg	1.233	30.726	mg/kg	0.00307 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				8.52	mg/kg	1.785	14.297	mg/kg	0.00143 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
90		bromomethane; methylbromide				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9							
91		chloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3							
92		trichlorofluoromethane				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4							
93		1,1-dichloroethylene; vinylidene chloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4							
94		carbon disulphide				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0							
95		dichloromethane; methylene chloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2							
96		2,2-dichloropropane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7							
97		bromochloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5							
98		chloroform; trichloromethane				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
99		1,1,1-trichloroethane; methyl chloroform				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
100		1,1-dichloropropene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
101		1,2-dichloropropane; propylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
102		dibromomethane				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
103		bromodichloromethane				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4							
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
105		trans-1,3-dichloropropene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6							
106		1,1,2-trichloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
107		1,3-dichloropropane				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9							
108		dibromochloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1							
109		1,2-dibromoethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
110		chlorobenzene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
111		1,1,1,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6							
112		styrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
113		bromoform; tribromomethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
114		1,1,2,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
115		1,2,3-trichloropropane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
116		bromobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
117		mesitylene; 1,3,5-trimethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
118		tert-butylbenzene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
119		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
120		sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-227-0	135-98-8									
121		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-796-7	99-87-6									
122		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
			203-209-7	104-51-8									
123		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
124		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-213-00-2	213-611-4	994-05-8									
125		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-757-1	87-61-6									
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
127		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<**LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.0238 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00583%)

Classification of sample: BH4-170221-0.60-0.60

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH4-170221-0.60-0.60
Moisture content:
18%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16.7 mg/kg	1.32	18.081 mg/kg	0.00181 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.221 mg/kg	2.775	0.503 mg/kg	0.0000503 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.6 mg/kg	3.22	4.224 mg/kg	0.000422 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10.6 mg/kg	1.462	12.704 mg/kg	0.00127 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21.1 mg/kg	1.126	19.48 mg/kg	0.00195 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16.5 mg/kg		13.53 mg/kg	0.00135 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12.9 mg/kg	2.637	27.891 mg/kg	0.00279 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		31.5 mg/kg	2.469	63.782 mg/kg	0.00638 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				9.73	pH		9.73	pH	9.73 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4									

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
40		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
41		trichloroethylene; trichloroethene 602-027-00-9 / 201-167-4 / 79-01-6		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
42		vinyl chloride; chloroethylene 602-023-00-7 / 200-831-0 / 75-01-4		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
43		hexachlorobenzene 602-065-00-6 / 204-273-9 / 118-74-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
44		1,2-dihydroxybenzene; pyrocatechol 604-016-00-4 / 204-427-5 / 120-80-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45		resorcinol; 1,3-benzenediol 604-010-00-1 / 203-585-2 / 108-46-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
46		1-naphtol 604-029-00-5 / 201-969-4 / 90-15-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47		pentachlorophenol 604-002-00-8 / 201-778-6 / 87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
48		nitrosodipropylamine 612-098-00-8 / 210-698-0 / 621-64-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
49		nitrobenzene 609-003-00-7 / 202-716-0 / 98-95-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
50		3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 / 201-126-0 / 78-59-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
51		hexachloroethane 200-666-4 / 67-72-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
52		hexachlorocyclopentadiene 602-078-00-7 / 201-029-3 / 77-47-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
53		hexachlorobutadiene 201-765-5 / 87-68-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
54		di-n-octyl phthalate 204-214-7 / 117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
55		dimethyl phthalate 205-011-6 / 131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
56		diethyl phthalate 201-550-6 / 84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
57		dibutyl phthalate; DBP 607-318-00-4 / 201-557-4 / 84-74-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
58		dibenzofuran 205-071-3 / 132-64-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
59		carbazole 201-696-0 / 86-74-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
60		BBP; benzyl butyl phthalate 607-430-00-3 / 201-622-7 / 85-68-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP 607-317-00-9 / 204-211-0 / 117-81-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
62		bis(2-chloroethoxy)methane 203-920-2 / 111-91-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
63		bis(2-chloroethyl) ether 603-029-00-2 / 203-870-1 / 111-44-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
64		azobenzene 611-001-00-6 / 203-102-5 / 103-33-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
65		4-nitrophenol; p-nitrophenol 609-015-00-2 / 202-811-7 / 100-02-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
66		4-chlorophenylphenylether 230-281-7 / 7005-72-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
67		4-chloroaniline 612-137-00-9 / 203-401-0 / 106-47-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 / 200-431-6 / 59-50-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
84		barium { barium sulphide }				29.7	mg/kg	1.233	30.041	mg/kg	0.003 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				26.2	mg/kg	1.785	38.353	mg/kg	0.00384 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
90		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
91		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
92		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
93		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
94		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
95		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
96		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
97		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
98		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
99		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
100		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
101		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
102		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
103		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
105		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									
106		1,1,2-trichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
107		1,3-dichloropropane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9									
108		dibromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1									
109		1,2-dibromoethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
110		chlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
111		1,1,1,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6									
112		styrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
113		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
114		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
115		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
116		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
117		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
118		tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
119		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
120		sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
121		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-796-7	99-87-6									
122		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
			203-209-7	104-51-8									
123		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
124		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-213-00-2	213-611-4	994-05-8									
125		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-757-1	87-61-6									
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
127		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<**LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
129		Dibutyltin				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
				1002-53-5									
130		Tributyl Tin				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
				688-73-3									
										Total:	0.0254 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Determinand defined by classifier (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH4-170221-1.00-1.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH4-170221-1.00-1.00
Moisture content:
12%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.7	mg/kg	1.32	17.08	mg/kg	0.00171 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.574	mg/kg	2.775	1.402	mg/kg	0.00014 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.4	mg/kg	3.22	3.967	mg/kg	0.000397 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02	mg/kg	1.142	<0.0228	mg/kg	<0.00000228 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14.5	mg/kg	1.462	18.649	mg/kg	0.00186 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		31.4	mg/kg	1.126	31.111	mg/kg	0.00311 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	23	mg/kg		20.24	mg/kg	0.00202 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13.4	mg/kg	2.637	31.092	mg/kg	0.00311 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		41.2	mg/kg	2.469	89.527	mg/kg	0.00895 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				9.4	pH		9.4	pH	9.4 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.113	mg/kg		0.0994	mg/kg	0.00000994 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4									

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
40		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
41		trichloroethylene; trichloroethene 602-027-00-9 / 201-167-4 / 79-01-6		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
42		vinyl chloride; chloroethylene 602-023-00-7 / 200-831-0 / 75-01-4		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
43		hexachlorobenzene 602-065-00-6 / 204-273-9 / 118-74-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
44		1,2-dihydroxybenzene; pyrocatechol 604-016-00-4 / 204-427-5 / 120-80-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45		resorcinol; 1,3-benzenediol 604-010-00-1 / 203-585-2 / 108-46-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
46		1-naphtol 604-029-00-5 / 201-969-4 / 90-15-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47		pentachlorophenol 604-002-00-8 / 201-778-6 / 87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
48		nitrosodipropylamine 612-098-00-8 / 210-698-0 / 621-64-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
49		nitrobenzene 609-003-00-7 / 202-716-0 / 98-95-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
50		3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 / 201-126-0 / 78-59-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
51		hexachloroethane 200-666-4 / 67-72-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
52		hexachlorocyclopentadiene 602-078-00-7 / 201-029-3 / 77-47-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
53		hexachlorobutadiene 201-765-5 / 87-68-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
54		di-n-octyl phthalate 204-214-7 / 117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
55		dimethyl phthalate 205-011-6 / 131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
56		diethyl phthalate 201-550-6 / 84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
57		dibutyl phthalate; DBP 607-318-00-4 / 201-557-4 / 84-74-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
58		dibenzofuran 205-071-3 / 132-64-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
59		carbazole 201-696-0 / 86-74-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
60		BBP; benzyl butyl phthalate 607-430-00-3 / 201-622-7 / 85-68-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP 607-317-00-9 / 204-211-0 / 117-81-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
62		bis(2-chloroethoxy)methane 203-920-2 / 111-91-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
63		bis(2-chloroethyl) ether 603-029-00-2 / 203-870-1 / 111-44-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
64		azobenzene 611-001-00-6 / 203-102-5 / 103-33-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
65		4-nitrophenol; p-nitrophenol 609-015-00-2 / 202-811-7 / 100-02-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
66		4-chlorophenylphenylether 230-281-7 / 7005-72-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
67		4-chloroaniline 612-137-00-9 / 203-401-0 / 106-47-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 / 200-431-6 / 59-50-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
84		barium { barium sulphide }				23	mg/kg	1.233	24.966	mg/kg	0.0025 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				32.3	mg/kg	1.785	50.742	mg/kg	0.00507 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
90		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
91		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
92		trichlorofluoromethane				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4							
93		1,1-dichloroethylene; vinylidene chloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4							
94		carbon disulphide				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0							
95		dichloromethane; methylene chloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2							
96		2,2-dichloropropane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7							
97		bromochloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5							
98		chloroform; trichloromethane				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
99		1,1,1-trichloroethane; methyl chloroform				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
100		1,1-dichloropropene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
101		1,2-dichloropropane; propylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
102		dibromomethane				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
103		bromodichloromethane				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4							
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
105		trans-1,3-dichloropropene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6							
106		1,1,2-trichloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
107		1,3-dichloropropane				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9							
108		dibromochloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1							
109		1,2-dibromoethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
110		chlorobenzene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
111		1,1,1,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6							
112		styrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
113		bromoform; tribromomethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
114		1,1,2,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
115		1,2,3-trichloropropane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
116		bromobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
117		mesitylene; 1,3,5-trimethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
118		tert-butylbenzene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6							
119		1,2,4-trimethylbenzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
120		sec-butylbenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
121		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-796-7	99-87-6									
122		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
			203-209-7	104-51-8									
123		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
124		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-213-00-2	213-611-4	994-05-8									
125		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-757-1	87-61-6									
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
127		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<**LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.0314 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH5-180221-0.60-0.60

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH5-180221-0.60-0.60
Moisture content:
14%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.27 mg/kg	1.32	7.119 mg/kg	0.000712 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.252 mg/kg	2.775	0.601 mg/kg	0.0000601 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.33 mg/kg	3.22	3.683 mg/kg	0.000368 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.308 mg/kg	1.142	0.303 mg/kg	0.0000303 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.39 mg/kg	1.462	11.803 mg/kg	0.00118 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20.9 mg/kg	1.126	20.237 mg/kg	0.00202 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	88.2 mg/kg		75.852 mg/kg	0.00759 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		15.1 mg/kg	2.637	34.24 mg/kg	0.00342 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		72.7 mg/kg	2.469	154.385 mg/kg	0.0154 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		79.2 mg/kg		79.2 mg/kg	0.00792 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				10.1	pH		10.1	pH	10.1 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				1.41	mg/kg		1.213	mg/kg	0.000121 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.362	mg/kg		0.311	mg/kg	0.0000311 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				3.13	mg/kg		2.692	mg/kg	0.000269 %	✓	
			205-912-4	206-44-0									
28		pyrene				2.35	mg/kg		2.021	mg/kg	0.000202 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.52	mg/kg		1.307	mg/kg	0.000131 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.29	mg/kg		1.109	mg/kg	0.000111 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1.14	mg/kg		0.98	mg/kg	0.000098 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.909	mg/kg		0.782	mg/kg	0.0000782 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				1.2	mg/kg		1.032	mg/kg	0.000103 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.849	mg/kg		0.73	mg/kg	0.000073 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.499	mg/kg		0.429	mg/kg	0.0000429 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		1-naphtol	604-029-00-5	201-969-4	90-15-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
42		pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
43		nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
44		nitrobenzene	609-003-00-7	202-716-0	98-95-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
45		3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
46		hexachloroethane		200-666-4	67-72-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
47		hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
48		hexachlorobutadiene		201-765-5	87-68-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
49		di-n-octyl phthalate		204-214-7	117-84-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
50		dimethyl phthalate		205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
51		diethyl phthalate		201-550-6	84-66-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
52		dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
53		dibenzofuran		205-071-3	132-64-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
54		carbazole		201-696-0	86-74-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
55		BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
57		bis(2-chloroethoxy)methane		203-920-2	111-91-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
58		bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
59		azobenzene	611-001-00-6	203-102-5	103-33-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
60		4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
61		4-chlorophenylphenylether		230-281-7	7005-72-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
62		4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
64		4-bromophenylphenylether		202-952-4	101-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
65		2-nitrophenol		201-857-5	88-75-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
66		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
68		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]											
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]											
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
71		2,4-dichlorophenol											
		604-011-00-7	204-429-6	120-83-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
72		2,4,6-trichlorophenol											
		604-018-00-5	201-795-9	88-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
73		2,4,5-trichlorophenol											
		604-017-00-X	202-467-8	95-95-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
74		1,4-dichlorobenzene; p-dichlorobenzene											
		602-035-00-2	203-400-5	106-46-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
75		1,3-dichlorbenzene											
		602-067-00-7	208-792-1	541-73-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
76		1,2-dichlorobenzene; o-dichlorobenzene											
		602-034-00-7	202-425-9	95-50-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
77		2-chloronaphthalene											
			202-079-9	91-58-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
78		2-methyl naphthalene											
			202-078-3	91-57-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
79		barium { barium sulphide }											
		016-002-00-X	244-214-4	21109-95-5		39.5	mg/kg	1.233	41.902	mg/kg	0.00419 %	✓	
80		vanadium { divanadium pentaoxide; vanadium pentoxide }											
		023-001-00-8	215-239-8	1314-62-1		14.7	mg/kg	1.785	22.568	mg/kg	0.00226 %	✓	
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]											
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		**<LOD**
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		**<LOD**
										Total:	0.0474 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00792%)

Classification of sample: BH5-180221-0.90-0.90

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH5-180221-0.90-0.90
Moisture content:
12%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.28 mg/kg	1.32	2.649 mg/kg	0.000265 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.106 mg/kg	2.775	0.259 mg/kg	0.0000259 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.488 mg/kg	1.142	0.491 mg/kg	0.0000491 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.66 mg/kg	1.462	4.707 mg/kg	0.000471 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.55 mg/kg	1.126	5.499 mg/kg	0.00055 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16.3 mg/kg		14.344 mg/kg	0.00143 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		2.76 mg/kg	2.637	6.404 mg/kg	0.00064 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		80.9 mg/kg	2.469	175.794 mg/kg	0.0176 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		23.3 mg/kg		23.3 mg/kg	0.00233 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				10.3	pH		10.3	pH	10.3 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.194	mg/kg		0.171	mg/kg	0.0000171 %	✓	
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.337	mg/kg		0.297	mg/kg	0.0000297 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.289	mg/kg		0.254	mg/kg	0.0000254 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.175	mg/kg		0.154	mg/kg	0.0000154 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.169	mg/kg		0.149	mg/kg	0.0000149 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.114	mg/kg		0.1	mg/kg	0.00001 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.127	mg/kg		0.112	mg/kg	0.0000112 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.137	mg/kg		0.121	mg/kg	0.0000121 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
79		barium { barium sulphide }				27.7	mg/kg	1.233	30.068	mg/kg	0.00301 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				5.86	mg/kg	1.785	9.206	mg/kg	0.000921 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.0288 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00233%)

Classification of sample: BH5-180221-3.00-3.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH5-180221-3.00-3.00
Moisture content:
17%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.2	mg/kg	1.32	11.178	mg/kg	0.00112 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.319	mg/kg	2.775	0.735	mg/kg	0.0000735 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.26	mg/kg	3.22	3.367	mg/kg	0.000337 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02	mg/kg	1.142	<0.0228	mg/kg	<0.00000228 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13.7	mg/kg	1.462	16.619	mg/kg	0.00166 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23.6	mg/kg	1.126	22.054	mg/kg	0.00221 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	394	mg/kg		327.02	mg/kg	0.0327 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.699	mg/kg	1.353	0.785	mg/kg	0.0000785 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13	mg/kg	2.637	28.45	mg/kg	0.00284 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		56.8	mg/kg	2.469	116.413	mg/kg	0.0116 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				8.7	pH		8.7	pH	8.7 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
79		barium { barium sulphide }				66.7	mg/kg	1.233	68.287	mg/kg	0.00683 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				26.1	mg/kg	1.785	38.672	mg/kg	0.00387 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.0655 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH7-190221-3.80-3.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH7-190221-3.80-3.00
Moisture content:
18%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		162	mg/kg		162	mg/kg	0.0162 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
8	●	acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
9	●	acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
10	●	fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
11	●	phenanthrene		201-581-5	85-01-8		0.354	mg/kg		0.29	mg/kg	0.000029 %	✓	
12	●	anthracene		204-371-1	120-12-7		0.378	mg/kg		0.31	mg/kg	0.000031 %	✓	
13	●	fluoranthene		205-912-4	206-44-0		0.598	mg/kg		0.49	mg/kg	0.000049 %	✓	
14	●	pyrene		204-927-3	129-00-0		0.976	mg/kg		0.8	mg/kg	0.00008 %	✓	
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.427	mg/kg		0.35	mg/kg	0.000035 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				0.403	mg/kg		0.33	mg/kg	0.000033 %	✓	
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				0.268	mg/kg		0.22	mg/kg	0.000022 %	✓	
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				0.268	mg/kg		0.22	mg/kg	0.000022 %	✓	
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.354	mg/kg		0.29	mg/kg	0.000029 %	✓	
		601-032-00-3	200-028-5	50-32-8									
20	●	indeno[123-cd]pyrene				0.268	mg/kg		0.22	mg/kg	0.000022 %	✓	
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
22	●	benzo[ghi]perylene				0.22	mg/kg		0.18	mg/kg	0.000018 %	✓	
			205-883-8	191-24-2									
23		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
24		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
25		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
26		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									
27		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-029-00-5	201-969-4	90-15-3									
28		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
29		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
30		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
31		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
32	●	hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
33		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-078-00-7	201-029-3	77-47-4									
34	●	hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
35	●	di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-214-7	117-84-0									
36	●	dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
37	●	diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
38		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
39	●	dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-071-3	132-64-9									
40	●	carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-696-0	86-74-8									
41		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-430-00-3	201-622-7	85-68-7									
42		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
43	●	bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			203-920-2	111-91-1									
44		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-029-00-2	203-870-1	111-44-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
45		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
46		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
47		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
48		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
49		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
50		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
51		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
52		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
53		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
54		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
55		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
56		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
57		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
58		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
59		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
60		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
61		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
62		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
63		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
64		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
65		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
66		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.0171 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0162%)

Classification of sample: BH7-190221-0.15-0.15

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH7-190221-0.15-0.15
Moisture content:
16%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.1 mg/kg	1.32	12.311 mg/kg	0.00123 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.363 mg/kg	2.775	0.846 mg/kg	0.0000846 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.89 mg/kg	1.142	0.854 mg/kg	0.0000854 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30.5 mg/kg	1.462	37.445 mg/kg	0.00374 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		123 mg/kg	1.126	116.327 mg/kg	0.0116 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	314 mg/kg		263.76 mg/kg	0.0264 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.115 mg/kg	1.353	0.131 mg/kg	0.0000131 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		23.3 mg/kg	2.637	51.605 mg/kg	0.00516 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		451 mg/kg	2.469	935.468 mg/kg	0.0935 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		594 mg/kg		594 mg/kg	0.0594 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				1.04	mg/kg	1.884	1.646	mg/kg	0.000165 %	✓	
		006-007-00-5											
20		pH				8.54	pH		8.54	pH	8.54 pH		
				PH									
21		naphthalene				0.143	mg/kg		0.12	mg/kg	0.000012 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				0.226	mg/kg		0.19	mg/kg	0.000019 %	✓	
			201-469-6	83-32-9									
24		fluorene				0.202	mg/kg		0.17	mg/kg	0.000017 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				2.14	mg/kg		1.798	mg/kg	0.00018 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.44	mg/kg		0.37	mg/kg	0.000037 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				1.8	mg/kg		1.512	mg/kg	0.000151 %	✓	
			205-912-4	206-44-0									
28		pyrene				2.09	mg/kg		1.756	mg/kg	0.000176 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.08	mg/kg		0.907	mg/kg	0.0000907 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.02	mg/kg		0.857	mg/kg	0.0000857 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.881	mg/kg		0.74	mg/kg	0.000074 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.797	mg/kg		0.669	mg/kg	0.0000669 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.893	mg/kg		0.75	mg/kg	0.000075 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.666	mg/kg		0.559	mg/kg	0.0000559 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.476	mg/kg		0.4	mg/kg	0.00004 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		1-naphtol	604-029-00-5	201-969-4	90-15-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
42		pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
43		nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
44		nitrobenzene	609-003-00-7	202-716-0	98-95-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
45		3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
46		hexachloroethane		200-666-4	67-72-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
47		hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
48		hexachlorobutadiene		201-765-5	87-68-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
49		di-n-octyl phthalate		204-214-7	117-84-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
50		dimethyl phthalate		205-011-6	131-11-3		0.119	mg/kg		0.1	mg/kg	0.00001 %	✓	
51		diethyl phthalate		201-550-6	84-66-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
52		dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
53		dibenzofuran		205-071-3	132-64-9		0.19	mg/kg		0.16	mg/kg	0.000016 %	✓	
54		carbazole		201-696-0	86-74-8		0.274	mg/kg		0.23	mg/kg	0.000023 %	✓	
55		BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7		0.179	mg/kg		0.15	mg/kg	0.000015 %	✓	
57		bis(2-chloroethoxy)methane		203-920-2	111-91-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
58		bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
59		azobenzene	611-001-00-6	203-102-5	103-33-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
60		4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
61		4-chlorophenylphenylether		230-281-7	7005-72-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
62		4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
64		4-bromophenylphenylether		202-952-4	101-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
65		2-nitrophenol		201-857-5	88-75-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
66		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
68		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
79		barium { barium sulphide }				284	mg/kg	1.233	294.262	mg/kg	0.0294 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				19.7	mg/kg	1.785	29.541	mg/kg	0.00295 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
83		Dibutyltin				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
				1002-53-5									
84		Tributyl Tin				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
				688-73-3									
										Total:	0.236 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Determinand defined by classifier (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0594%)

Classification of sample: BH7-190221-1.10-1.10

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH7-190221-1.10-1.10
Moisture content:
19%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.7 mg/kg	1.32	11.443 mg/kg	0.00114 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.518 mg/kg	2.775	1.164 mg/kg	0.000116 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.93 mg/kg	3.22	5.034 mg/kg	0.000503 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.463 mg/kg	1.142	0.428 mg/kg	0.0000428 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12.8 mg/kg	1.462	15.153 mg/kg	0.00152 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		72.9 mg/kg	1.126	66.483 mg/kg	0.00665 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	115 mg/kg		93.15 mg/kg	0.00932 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13.2 mg/kg	2.637	28.191 mg/kg	0.00282 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		146 mg/kg	2.469	292.019 mg/kg	0.0292 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		408 mg/kg		408 mg/kg	0.0408 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.34	pH		8.34	pH	8.34 pH		
				PH									
21		naphthalene				0.362	mg/kg		0.293	mg/kg	0.0000293 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.159	mg/kg		0.129	mg/kg	0.0000129 %	✓	
			205-917-1	208-96-8									
23		acenaphthene				0.175	mg/kg		0.142	mg/kg	0.0000142 %	✓	
			201-469-6	83-32-9									
24		fluorene				0.213	mg/kg		0.173	mg/kg	0.0000173 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				1.4	mg/kg		1.134	mg/kg	0.000113 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.734	mg/kg		0.595	mg/kg	0.0000595 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				3.98	mg/kg		3.224	mg/kg	0.000322 %	✓	
			205-912-4	206-44-0									
28		pyrene				4.04	mg/kg		3.272	mg/kg	0.000327 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				2.24	mg/kg		1.814	mg/kg	0.000181 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.9	mg/kg		1.539	mg/kg	0.000154 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				2.11	mg/kg		1.709	mg/kg	0.000171 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				1.87	mg/kg		1.515	mg/kg	0.000151 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				2.33	mg/kg		1.887	mg/kg	0.000189 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				2.19	mg/kg		1.774	mg/kg	0.000177 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.151	mg/kg		0.122	mg/kg	0.0000122 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				1.19	mg/kg		0.964	mg/kg	0.0000964 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				0.168	mg/kg		0.136	mg/kg	0.0000136 %	✓	
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
79		barium { barium sulphide }				136	mg/kg	1.233	135.882	mg/kg	0.0136 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				22.3	mg/kg	1.785	32.246	mg/kg	0.00322 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.112 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0408%)

Classification of sample: BH8-190221-0.45-0.30

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH8-190221-0.45-0.30
Moisture content:
22%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 22% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.04 mg/kg	1.32	9.31 mg/kg	0.000931 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.312 mg/kg	2.775	0.675 mg/kg	0.0000675 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.491 mg/kg	1.142	0.437 mg/kg	0.0000437 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15.2 mg/kg	1.462	17.328 mg/kg	0.00173 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		40.6 mg/kg	1.126	35.655 mg/kg	0.00357 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	91.7 mg/kg		71.526 mg/kg	0.00715 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13 mg/kg	2.637	26.736 mg/kg	0.00267 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		129 mg/kg	2.469	248.461 mg/kg	0.0248 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		61.3 mg/kg		61.3 mg/kg	0.00613 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				8.65	pH		8.65	pH	8.65 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				0.722	mg/kg		0.563	mg/kg	0.0000563 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.361	mg/kg		0.282	mg/kg	0.0000282 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				1.81	mg/kg		1.412	mg/kg	0.000141 %	✓	
			205-912-4	206-44-0									
28		pyrene				2.28	mg/kg		1.778	mg/kg	0.000178 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.03	mg/kg		0.803	mg/kg	0.0000803 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.942	mg/kg		0.735	mg/kg	0.0000735 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.503	mg/kg		0.392	mg/kg	0.0000392 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.671	mg/kg		0.523	mg/kg	0.0000523 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.697	mg/kg		0.544	mg/kg	0.0000544 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.477	mg/kg		0.372	mg/kg	0.0000372 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.323	mg/kg		0.252	mg/kg	0.0000252 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		1-naphtol	604-029-00-5	201-969-4	90-15-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
42		pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
43		nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
44		nitrobenzene	609-003-00-7	202-716-0	98-95-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
45		3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
46		hexachloroethane		200-666-4	67-72-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
47		hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
48		hexachlorobutadiene		201-765-5	87-68-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
49		di-n-octyl phthalate		204-214-7	117-84-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
50		dimethyl phthalate		205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
51		diethyl phthalate		201-550-6	84-66-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
52		dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
53		dibenzofuran		205-071-3	132-64-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
54		carbazole		201-696-0	86-74-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
55		BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
57		bis(2-chloroethoxy)methane		203-920-2	111-91-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
58		bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
59		azobenzene	611-001-00-6	203-102-5	103-33-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
60		4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
61		4-chlorophenylphenylether		230-281-7	7005-72-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
62		4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
64		4-bromophenylphenylether		202-952-4	101-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
65		2-nitrophenol		201-857-5	88-75-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
66		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
68		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]											
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]											
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
71		2,4-dichlorophenol											
		604-011-00-7	204-429-6	120-83-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
72		2,4,6-trichlorophenol											
		604-018-00-5	201-795-9	88-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
73		2,4,5-trichlorophenol											
		604-017-00-X	202-467-8	95-95-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
74		1,4-dichlorobenzene; p-dichlorobenzene											
		602-035-00-2	203-400-5	106-46-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
75		1,3-dichlorbenzene											
		602-067-00-7	208-792-1	541-73-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
76		1,2-dichlorobenzene; o-dichlorobenzene											
		602-034-00-7	202-425-9	95-50-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
77		2-chloronaphthalene											
			202-079-9	91-58-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
78		2-methyl naphthalene											
			202-078-3	91-57-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
79		barium { barium sulphide }											
		016-002-00-X	244-214-4	21109-95-5		87.3	mg/kg	1.233	83.994	mg/kg	0.0084 %	✓	
80		vanadium { divanadium pentaoxide; vanadium pentoxide }											
		023-001-00-8	215-239-8	1314-62-1		23	mg/kg	1.785	32.026	mg/kg	0.0032 %	✓	
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]											
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
										Total:	0.0608 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00613%)

Classification of sample: BH8-190221-0.80-0.60

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH8-190221-0.80-0.60
Moisture content:
16%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.03 mg/kg	1.32	10.015 mg/kg	0.001 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.263 mg/kg	2.775	0.613 mg/kg	0.0000613 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.193 mg/kg	3.22	0.522 mg/kg	0.0000522 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.333 mg/kg	1.142	0.32 mg/kg	0.000032 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12.6 mg/kg	1.462	15.469 mg/kg	0.00155 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		29.1 mg/kg	1.126	27.521 mg/kg	0.00275 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	133 mg/kg		111.72 mg/kg	0.0112 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12.6 mg/kg	2.637	27.907 mg/kg	0.00279 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.0122 mg/kg	1.405	0.0144 mg/kg	0.00000144 %	✓	
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		92.1 mg/kg	2.469	191.035 mg/kg	0.0191 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		52.5 mg/kg		52.5 mg/kg	0.00525 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.8	pH		8.8	pH	8.8 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.661	mg/kg		0.555	mg/kg	0.0000555 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.189	mg/kg		0.159	mg/kg	0.0000159 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				1.9	mg/kg		1.596	mg/kg	0.00016 %	✓	
			205-912-4	206-44-0									
28		pyrene				2.51	mg/kg		2.108	mg/kg	0.000211 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.36	mg/kg		1.142	mg/kg	0.000114 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.52	mg/kg		1.277	mg/kg	0.000128 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1.91	mg/kg		1.604	mg/kg	0.00016 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				1.53	mg/kg		1.285	mg/kg	0.000129 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				2.16	mg/kg		1.814	mg/kg	0.000181 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				2.09	mg/kg		1.756	mg/kg	0.000176 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.224	mg/kg		0.188	mg/kg	0.0000188 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				1.32	mg/kg		1.109	mg/kg	0.000111 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
71		2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2							
72		2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2							
73		2,4,5-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4							
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
75		1,3-dichlorbenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-067-00-7	208-792-1	541-73-1							
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
77		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
78		2-methyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6							
79		barium { barium sulphide }				75.2 mg/kg	1.233	77.917 mg/kg	0.00779 %	✓	
		016-002-00-X	244-214-4	21109-95-5							
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				22.9 mg/kg	1.785	34.34 mg/kg	0.00343 %	✓	
		023-001-00-8	215-239-8	1314-62-1							
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
								Total:	0.0573 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00525%)

Classification of sample: BH9-190221-0.35-0.35

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH9-190221-0.35-0.35
Moisture content:
16%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.6 mg/kg	1.32	16.192 mg/kg	0.00162 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.635 mg/kg	2.775	1.48 mg/kg	0.000148 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.48 mg/kg	1.462	7.956 mg/kg	0.000796 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		69.9 mg/kg	1.126	66.108 mg/kg	0.00661 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.48 mg/kg		6.283 mg/kg	0.000628 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12 mg/kg	2.637	26.578 mg/kg	0.00266 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		14.5 mg/kg	2.469	30.076 mg/kg	0.00301 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		23.9 mg/kg		23.9 mg/kg	0.00239 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				10.7	pH		10.7	pH	10.7 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]											
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]											
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
71		2,4-dichlorophenol											
		604-011-00-7	204-429-6	120-83-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
72		2,4,6-trichlorophenol											
		604-018-00-5	201-795-9	88-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
73		2,4,5-trichlorophenol											
		604-017-00-X	202-467-8	95-95-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
74		1,4-dichlorobenzene; p-dichlorobenzene											
		602-035-00-2	203-400-5	106-46-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
75		1,3-dichlorbenzene											
		602-067-00-7	208-792-1	541-73-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
76		1,2-dichlorobenzene; o-dichlorobenzene											
		602-034-00-7	202-425-9	95-50-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
77		2-chloronaphthalene											
			202-079-9	91-58-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
78		2-methyl naphthalene											
			202-078-3	91-57-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
79		barium { barium sulphide }											
		016-002-00-X	244-214-4	21109-95-5		45.7	mg/kg	1.233	47.351	mg/kg	0.00474 %	✓	
80		vanadium { divanadium pentaoxide; vanadium pentoxide }											
		023-001-00-8	215-239-8	1314-62-1		42.9	mg/kg	1.785	64.331	mg/kg	0.00643 %	✓	
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]											
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		**<LOD**
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		**<LOD**
										Total:	0.0305 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00239%)

Classification of sample: BH9-190221-0.75-0.75

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
BH9-190221-0.75-0.75
Moisture content:
8.9%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.9% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.6 mg/kg	1.32	16.358 mg/kg	0.00164 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.128 mg/kg	2.775	0.324 mg/kg	0.0000324 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.08 mg/kg	1.462	9.427 mg/kg	0.000943 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.15 mg/kg	1.126	3.231 mg/kg	0.000323 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6.27 mg/kg		5.712 mg/kg	0.000571 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.01 mg/kg	2.637	21.642 mg/kg	0.00216 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		13.7 mg/kg	2.469	30.819 mg/kg	0.00308 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				9.22	pH		9.22	pH	9.22 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
79		barium { barium sulphide }				7.29	mg/kg	1.233	8.192	mg/kg	0.000819 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				26.2	mg/kg	1.785	42.609	mg/kg	0.00426 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.0163 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP1-190221-0.25-0.25

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
HP1-190221-0.25-0.25
Moisture content:
18%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.0069 mg/kg	1.32	0.0075 mg/kg	0.000000754 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.001 mg/kg	2.775	<0.0027 mg/kg	<0.000000278 %		<**LOD**
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.95 mg/kg	3.22	2.508 mg/kg	0.000251 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.0008 mg/kg	1.142	<0.0009 mg/kg	<0.000000091 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		0.121 mg/kg	1.126	0.112 mg/kg	0.0000112 %	✓	
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	0.015 mg/kg		0.0123 mg/kg	0.00000123 %	✓	
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<**LOD**
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		0.0073 mg/kg	2.637	0.0159 mg/kg	0.00000159 %	✓	
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.01 mg/kg	1.405	<0.0141 mg/kg	<0.00000141 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		0.0669 mg/kg	2.469	0.135 mg/kg	0.0000135 %	✓	
11	barium { barium sulphide }	016-002-00-X	244-214-4	21109-95-5		0.57 mg/kg	1.233	0.577 mg/kg	0.0000577 %	✓	
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		<0.01 mg/kg	1.785	<0.0179 mg/kg	<0.00000179 %		<**LOD**
13	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.642 mg/kg	1.462	0.938 mg/kg	0.0000938 %		
14	Dibutyltin			1002-53-5		0.05 mg/kg		0.05 mg/kg	0.000005 %		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
15		Tributyl Tin				0.09 mg/kg		0.09 mg/kg	0.000009 %		
				688-73-3							
								Total:	0.00044 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Determinand defined by classifier (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP1-190221-0.60-0.60

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:
HP1-190221-0.60-0.60
Moisture content:
19%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.137%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.137%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.137%)

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
1		arsenic { arsenic trioxide }				42.4	mg/kg	1.32	45.345	mg/kg	0.00453 %	✓	
		033-003-00-0	215-481-4	1327-53-3									
2		beryllium { beryllium oxide }				0.171	mg/kg	2.775	0.384	mg/kg	0.0000384 %	✓	
		004-003-00-8	215-133-1	1304-56-9									
3		boron { diboron trioxide; boric oxide }				2.72	mg/kg	3.22	7.094	mg/kg	0.000709 %	✓	
		005-008-00-8	215-125-8	1303-86-2									

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.37 mg/kg	1.142	1.268 mg/kg	0.000127 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		145 mg/kg	1.462	171.66 mg/kg	0.0172 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		306 mg/kg	1.126	279.063 mg/kg	0.0279 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	829 mg/kg		671.49 mg/kg	0.0671 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.322 mg/kg	1.353	0.353 mg/kg	0.0000353 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		136 mg/kg	2.637	290.457 mg/kg	0.029 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		921 mg/kg	2.469	1842.12 mg/kg	0.184 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		1370 mg/kg		1370 mg/kg	0.137 %		
14	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
17	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
18	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
19	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				2.08 mg/kg	1.884	3.174 mg/kg	0.000317 %	✓	
20	pH			PH		8.2 pH		8.2 pH	8.2 pH		
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	acenaphthene		201-469-6	83-32-9		0.298 mg/kg		0.241 mg/kg	0.0000241 %	✓	
24	fluorene		201-695-5	86-73-7		0.273 mg/kg		0.221 mg/kg	0.0000221 %	✓	
25	phenanthrene		201-581-5	85-01-8		2.24 mg/kg		1.814 mg/kg	0.000181 %	✓	
26	anthracene		204-371-1	120-12-7		0.521 mg/kg		0.422 mg/kg	0.0000422 %	✓	
27	fluoranthene		205-912-4	206-44-0		2.8 mg/kg		2.268 mg/kg	0.000227 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
28		pyrene				3.25	mg/kg		2.633	mg/kg	0.000263 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.8	mg/kg		1.458	mg/kg	0.000146 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.7	mg/kg		1.377	mg/kg	0.000138 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1.61	mg/kg		1.304	mg/kg	0.00013 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				1.31	mg/kg		1.061	mg/kg	0.000106 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				1.57	mg/kg		1.272	mg/kg	0.000127 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				1.7	mg/kg		1.377	mg/kg	0.000138 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.149	mg/kg		0.121	mg/kg	0.0000121 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				1.18	mg/kg		0.956	mg/kg	0.0000956 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
44		asbestos				30	mg/kg		30	mg/kg	0.003 %		
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
45		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
46		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									
47		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-029-00-5	201-969-4	90-15-3									
48		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
49		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
50		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
51		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
52		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
53		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-078-00-7	201-029-3	77-47-4									
54		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
55		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
56		dimethyl phthalate				1.31	mg/kg		1.061	mg/kg	0.000106 %	✓	
			205-011-6	131-11-3									
57		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
58		dibutyl phthalate; DBP				0.322	mg/kg		0.261	mg/kg	0.0000261 %	✓	
		607-318-00-4	201-557-4	84-74-2									
59		dibenzofuran				0.149	mg/kg		0.121	mg/kg	0.0000121 %	✓	
			205-071-3	132-64-9									
60		carbazole				0.236	mg/kg		0.191	mg/kg	0.0000191 %	✓	
			201-696-0	86-74-8									
61		BBP; benzyl butyl phthalate				0.508	mg/kg		0.411	mg/kg	0.0000411 %	✓	
		607-430-00-3	201-622-7	85-68-7									
62		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				0.446	mg/kg		0.361	mg/kg	0.0000361 %	✓	
		607-317-00-9	204-211-0	117-81-7									
63		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
64		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
65		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
66		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
67		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
68		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
71		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
72		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
73		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
74		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
75		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
77		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
78		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
79		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
80		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
81		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
84		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
85		barium { barium sulphide }				284	mg/kg	1.233	283.753	mg/kg	0.0284 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
86		vanadium { divanadium pentaoxide; vanadium pentoxide }				298	mg/kg	1.785	430.908	mg/kg	0.0431 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
89		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
90		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
91		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
92		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
93		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
94		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
95		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
96		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
97		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
98		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
99		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
100		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
101		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
102		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
103		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
104		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
105		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
106		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
107		1,1,2-trichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
108		1,3-dichloropropane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9									
109		dibromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1									
110		1,2-dibromoethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
111		chlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
112		1,1,1,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6									
113		styrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
114		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
115		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
116		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
117		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
118		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
119		tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
120		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
121		sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									
122		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6									
123		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8									
124		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
125		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8									
126		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6									
127		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
128		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
129		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.546 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP1-170221-0.10-0.10

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
TP1-170221-0.10-0.10
Moisture content:
15%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
1		2,6-dinitrotoluene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
2		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
3		ethylene dinitrate; ethylene glycol dinitrate				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		603-032-00-9	211-063-0	628-96-6									
4		glycerol trinitrate; nitroglycerine				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		603-034-00-X	200-240-8	55-63-0									
5		pentaerythritol tetranitrate; P.E.T.N.				<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
		603-035-00-5	201-084-3	78-11-5									
6		2,4,6-trinitrophenol; picric acid				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-009-00-X	201-865-9	88-89-1									
7		N-methyl-N-2,4,6-tetranitroaniline; tetryl				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		612-017-00-6	207-531-9	479-45-8									
8		2,4,6-trinitrotoluene; TNT				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-008-00-4	204-289-6	118-96-7									
										Total:	0.00102 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection
ND	Not detected

Classification of sample: TP1-170221-0.70-0.70

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:
TP1-170221-0.70-0.70
Moisture content:
19%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

ethylbenzene: (conc.: 8.34e-06%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.408%)
xylene: (conc.: 0.00002%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.408%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.408%)

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
1		arsenic { arsenic trioxide }				40 mg/kg	1.32	42.779 mg/kg	0.00428 %	✓	
		033-003-00-0	215-481-4	1327-53-3							

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
2		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.0562	mg/kg	2.775	0.126	mg/kg	0.0000126 %	✓	
3		boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		4.27	mg/kg	3.22	11.137	mg/kg	0.00111 %	✓	
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.24	mg/kg	1.142	2.998	mg/kg	0.0003 %	✓	
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		69	mg/kg	1.462	81.686	mg/kg	0.00817 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		283	mg/kg	1.126	258.087	mg/kg	0.0258 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	356	mg/kg		288.36	mg/kg	0.0288 %	✓	
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.32	mg/kg	1.353	1.447	mg/kg	0.000145 %	✓	
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		59.9	mg/kg	2.637	127.929	mg/kg	0.0128 %	✓	
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
12		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		584	mg/kg	2.469	1168.076	mg/kg	0.117 %	✓	
13		TPH (C6 to C40) petroleum group			TPH		4080	mg/kg		4080	mg/kg	0.408 %		
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		0.103	mg/kg		0.0834	mg/kg	0.00000834 %	✓	
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.276	mg/kg		0.224	mg/kg	0.0000224 %	✓	
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
20		pH			PH		8.49	pH		8.49	pH	8.49 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.893	mg/kg		0.723	mg/kg	0.0000723 %	✓	
22		acenaphthylene		205-917-1	208-96-8		0.161	mg/kg		0.13	mg/kg	0.000013 %	✓	
23		acenaphthene		201-469-6	83-32-9		1.22	mg/kg		0.988	mg/kg	0.0000988 %	✓	
24		fluorene		201-695-5	86-73-7		1.1	mg/kg		0.891	mg/kg	0.0000891 %	✓	
25		phenanthrene		201-581-5	85-01-8		6.62	mg/kg		5.362	mg/kg	0.000536 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
26		anthracene				1.56	mg/kg		1.264	mg/kg	0.000126 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				7.03	mg/kg		5.694	mg/kg	0.000569 %	✓	
			205-912-4	206-44-0									
28		pyrene				11.1	mg/kg		8.991	mg/kg	0.000899 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				6.1	mg/kg		4.941	mg/kg	0.000494 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				5.67	mg/kg		4.593	mg/kg	0.000459 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				5.47	mg/kg		4.431	mg/kg	0.000443 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				4.41	mg/kg		3.572	mg/kg	0.000357 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				5.46	mg/kg		4.423	mg/kg	0.000442 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				5.34	mg/kg		4.325	mg/kg	0.000433 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.769	mg/kg		0.623	mg/kg	0.0000623 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				3.56	mg/kg		2.884	mg/kg	0.000288 %	✓	
			205-883-8	191-24-2									
37		phenol				0.0868	mg/kg		0.0703	mg/kg	0.00000703 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
44		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
45		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									
46		1-naphtol				0.0124	mg/kg		0.01	mg/kg	0.000001 %	✓	
		604-029-00-5	201-969-4	90-15-3									
47		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
48		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
49		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
50		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
51		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
52		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-078-00-7	201-029-3	77-47-4									
53		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
54		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-214-7	117-84-0									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
55		dimethyl phthalate				0.298	mg/kg		0.241	mg/kg	0.0000241 %	✓	
			205-011-6	131-11-3									
56		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
57		dibutyl phthalate; DBP				9.32	mg/kg		7.549	mg/kg	0.000755 %	✓	
		607-318-00-4	201-557-4	84-74-2									
58		dibenzofuran				0.67	mg/kg		0.543	mg/kg	0.0000543 %	✓	
			205-071-3	132-64-9									
59		carbazole				0.732	mg/kg		0.593	mg/kg	0.0000593 %	✓	
			201-696-0	86-74-8									
60		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				6.01	mg/kg		4.868	mg/kg	0.000487 %	✓	
		607-317-00-9	204-211-0	117-81-7									
62		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
63		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
64		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
65		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
66		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
67		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
69		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				0.124	mg/kg		0.1	mg/kg	0.00001 %	✓	
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				0.409	mg/kg		0.331	mg/kg	0.0000331 %	✓	
			202-078-3	91-57-6									
84		barium { barium sulphide }				193	mg/kg	1.233	192.832	mg/kg	0.0193 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				17.3	mg/kg	1.785	25.016	mg/kg	0.0025 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				0.484	mg/kg		0.392	mg/kg	0.0000392 %	✓	
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
90		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
91		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
92		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
93		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
94		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
95		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
96		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
97		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
98		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
99		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
100		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
101		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
102		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
103		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
105		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									
106		1,1,2-trichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
107		1,3-dichloropropane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9									
108		dibromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1									
109		1,2-dibromoethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
110		chlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
111		1,1,1,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6									
112		styrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
113		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
114		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
115		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
116		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
117		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
118		tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
119		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
120		sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									
121		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6									
122		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8									
123		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
124		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8									
125		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6									
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
127		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.636 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP1-170221-1.15-1.15

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
TP1-170221-1.15-1.15
Moisture content:
9.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		22.6	mg/kg	1.32	26.915	mg/kg	0.00269 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.01	mg/kg	2.775	<0.0278	mg/kg	<0.00000278 %		<**LOD**
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.3	mg/kg	3.22	6.68	mg/kg	0.000668 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.12	mg/kg	1.142	1.154	mg/kg	0.000115 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18.7	mg/kg	1.462	24.653	mg/kg	0.00247 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		321	mg/kg	1.126	325.992	mg/kg	0.0326 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	208	mg/kg		187.616	mg/kg	0.0188 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.237	mg/kg	1.353	0.289	mg/kg	0.0000289 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20.6	mg/kg	2.637	48.993	mg/kg	0.0049 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		408	mg/kg	2.469	908.741	mg/kg	0.0909 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		435	mg/kg		435	mg/kg	0.0435 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				8.58	pH		8.58	pH	8.58 pH		
				PH									
21		naphthalene				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.244	mg/kg		0.22	mg/kg	0.000022 %	✓	
			205-917-1	208-96-8									
23		acenaphthene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				0.222	mg/kg		0.2	mg/kg	0.00002 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				3.57	mg/kg		3.22	mg/kg	0.000322 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.699	mg/kg		0.63	mg/kg	0.000063 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				6.67	mg/kg		6.016	mg/kg	0.000602 %	✓	
			205-912-4	206-44-0									
28		pyrene				5.78	mg/kg		5.214	mg/kg	0.000521 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				2.63	mg/kg		2.372	mg/kg	0.000237 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				2.83	mg/kg		2.553	mg/kg	0.000255 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				2.01	mg/kg		1.813	mg/kg	0.000181 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				2.12	mg/kg		1.912	mg/kg	0.000191 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				2.71	mg/kg		2.444	mg/kg	0.000244 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				1.85	mg/kg		1.669	mg/kg	0.000167 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				1.29	mg/kg		1.164	mg/kg	0.000116 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4									

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
40		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
41		trichloroethylene; trichloroethene 602-027-00-9 / 201-167-4 / 79-01-6		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
42		vinyl chloride; chloroethylene 602-023-00-7 / 200-831-0 / 75-01-4		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
43		hexachlorobenzene 602-065-00-6 / 204-273-9 / 118-74-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
44		1,2-dihydroxybenzene; pyrocatechol 604-016-00-4 / 204-427-5 / 120-80-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45		resorcinol; 1,3-benzenediol 604-010-00-1 / 203-585-2 / 108-46-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
46		1-naphtol 604-029-00-5 / 201-969-4 / 90-15-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47		pentachlorophenol 604-002-00-8 / 201-778-6 / 87-86-5		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
48		nitrosodipropylamine 612-098-00-8 / 210-698-0 / 621-64-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
49		nitrobenzene 609-003-00-7 / 202-716-0 / 98-95-3		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
50		3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 / 201-126-0 / 78-59-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
51		hexachloroethane 200-666-4 / 67-72-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
52		hexachlorocyclopentadiene 602-078-00-7 / 201-029-3 / 77-47-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
53		hexachlorobutadiene 201-765-5 / 87-68-3		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
54		di-n-octyl phthalate 204-214-7 / 117-84-0		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
55		dimethyl phthalate 205-011-6 / 131-11-3		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
56		diethyl phthalate 201-550-6 / 84-66-2		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
57		dibutyl phthalate; DBP 607-318-00-4 / 201-557-4 / 84-74-2		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
58		dibenzofuran 205-071-3 / 132-64-9		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
59		carbazole 201-696-0 / 86-74-8		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
60		BBP; benzyl butyl phthalate 607-430-00-3 / 201-622-7 / 85-68-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP 607-317-00-9 / 204-211-0 / 117-81-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
62		bis(2-chloroethoxy)methane 203-920-2 / 111-91-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
63		bis(2-chloroethyl) ether 603-029-00-2 / 203-870-1 / 111-44-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
64		azobenzene 611-001-00-6 / 203-102-5 / 103-33-3		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
65		4-nitrophenol; p-nitrophenol 609-015-00-2 / 202-811-7 / 100-02-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
66		4-chlorophenylphenylether 230-281-7 / 7005-72-3		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
67		4-chloroaniline 612-137-00-9 / 203-401-0 / 106-47-8		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 / 200-431-6 / 59-50-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-078-3	91-57-6									
84		barium { barium sulphide }				121	mg/kg	1.233	134.626	mg/kg	0.0135 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				23.7	mg/kg	1.785	38.163	mg/kg	0.00382 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
90		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
91		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
92		trichlorofluoromethane				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4							
93		1,1-dichloroethylene; vinylidene chloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4							
94		carbon disulphide				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0							
95		dichloromethane; methylene chloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2							
96		2,2-dichloropropane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7							
97		bromochloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5							
98		chloroform; trichloromethane				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
99		1,1,1-trichloroethane; methyl chloroform				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
100		1,1-dichloropropene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
101		1,2-dichloropropane; propylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
102		dibromomethane				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
103		bromodichloromethane				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4							
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
105		trans-1,3-dichloropropene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6							
106		1,1,2-trichloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
107		1,3-dichloropropane				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9							
108		dibromochloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1							
109		1,2-dibromoethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
110		chlorobenzene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
111		1,1,1,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6							
112		styrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
113		bromoform; tribromomethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
114		1,1,2,2-tetrachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
115		1,2,3-trichloropropane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
116		bromobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
117		mesitylene; 1,3,5-trimethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
118		tert-butylbenzene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6							
119		1,2,4-trimethylbenzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
120		sec-butylbenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8							

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
121		4-isopropyltoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6							
122		n-butylbenzene				<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8							
123		1,2-dibromo-3-chloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
124		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8							
125		1,2,3-trichlorobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6							
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
127		cumene; [1] propylbenzene [2]				<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19 mg/kg		<0.19 mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
								Total:	0.219 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0435%)

Classification of sample: TP2-170221-0.60-0.60

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:
TP2-170221-0.60-0.60
Moisture content:
11%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.107%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.107%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.107%)

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	15.276 mg/kg	0.00153 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.158 mg/kg	2.775	0.39 mg/kg	0.000039 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.08 mg/kg	3.22	3.095 mg/kg	0.000309 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
4		cadmium { cadmium oxide }				0.759	mg/kg	1.142	0.772	mg/kg	0.0000772 %	✓	
		048-002-00-0	215-146-2	1306-19-0									
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16.9	mg/kg	1.462	21.983	mg/kg	0.0022 %	✓	
			215-160-9	1308-38-9									
6		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
7		copper { dicopper oxide; copper (I) oxide }				158	mg/kg	1.126	158.322	mg/kg	0.0158 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	157	mg/kg		139.73	mg/kg	0.014 %	✓	
		082-001-00-6											
9		mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
10		nickel { nickel sulfate }				16.8	mg/kg	2.637	39.424	mg/kg	0.00394 %	✓	
		028-009-00-5	232-104-9	7786-81-4									
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
12		zinc { zinc sulphate }				300	mg/kg	2.469	659.302	mg/kg	0.0659 %	✓	
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
13		TPH (C6 to C40) petroleum group				1070	mg/kg		1070	mg/kg	0.107 %		
				TPH									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.23	pH		8.23	pH	8.23 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.15	mg/kg		0.134	mg/kg	0.0000134 %	✓	
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.299	mg/kg		0.266	mg/kg	0.0000266 %	✓	
			205-912-4	206-44-0									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
28		pyrene				0.285	mg/kg		0.254	mg/kg	0.0000254 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.172	mg/kg		0.153	mg/kg	0.0000153 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.148	mg/kg		0.132	mg/kg	0.0000132 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.122	mg/kg		0.109	mg/kg	0.0000109 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.15	mg/kg		0.134	mg/kg	0.0000134 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.158	mg/kg		0.141	mg/kg	0.0000141 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		asbestos				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
40		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
41		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
42		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
43		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
44		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
45		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
46		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
47		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
48		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
49		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
50		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
51		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
52		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
53		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
54		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
55		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
56		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
57		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
58		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
59		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
60		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
61		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
62		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
63		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
64		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
65		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
66		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
67		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
68		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
69		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
70		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
71		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
72		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
73		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
74		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
75		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
76		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
77		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
78		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
79		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
80		barium { barium sulphide }				120	mg/kg	1.233	131.737	mg/kg	0.0132 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
81		vanadium { divanadium pentaoxide; vanadium pentoxide }				20.1	mg/kg	1.785	31.935	mg/kg	0.00319 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
82		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
83		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.229 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP2-170221-1.00-0.80

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
TP2-170221-1.00-0.80
Moisture content:
19%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17.1 mg/kg	1.32	18.288 mg/kg	0.00183 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.44 mg/kg	2.775	3.237 mg/kg	0.000324 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		10.1 mg/kg	3.22	26.342 mg/kg	0.00263 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11.6 mg/kg	1.462	13.733 mg/kg	0.00137 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		59.9 mg/kg	1.126	54.627 mg/kg	0.00546 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	227 mg/kg		183.87 mg/kg	0.0184 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		25.2 mg/kg	2.637	53.82 mg/kg	0.00538 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		279 mg/kg	2.469	558.036 mg/kg	0.0558 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.78	pH		8.78	pH	8.78 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.124	mg/kg		0.1	mg/kg	0.00001 %	✓	
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.198	mg/kg		0.16	mg/kg	0.000016 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.335	mg/kg		0.271	mg/kg	0.0000271 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.186	mg/kg		0.151	mg/kg	0.0000151 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.211	mg/kg		0.171	mg/kg	0.0000171 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.149	mg/kg		0.121	mg/kg	0.0000121 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.149	mg/kg		0.121	mg/kg	0.0000121 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.161	mg/kg		0.13	mg/kg	0.000013 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.149	mg/kg		0.121	mg/kg	0.0000121 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]									
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]									
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
71		2,4-dichlorophenol									
		604-011-00-7	204-429-6	120-83-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
72		2,4,6-trichlorophenol									
		604-018-00-5	201-795-9	88-06-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
73		2,4,5-trichlorophenol									
		604-017-00-X	202-467-8	95-95-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
74		1,4-dichlorobenzene; p-dichlorobenzene									
		602-035-00-2	203-400-5	106-46-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
75		1,3-dichlorbenzene									
		602-067-00-7	208-792-1	541-73-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
76		1,2-dichlorobenzene; o-dichlorobenzene									
		602-034-00-7	202-425-9	95-50-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
77		2-chloronaphthalene									
			202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
78		2-methyl naphthalene									
			202-078-3	91-57-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
79		barium { barium sulphide }									
		016-002-00-X	244-214-4	21109-95-5		207 mg/kg	1.233	206.82 mg/kg	0.0207 %	✓	
80		vanadium { divanadium pentaoxide; vanadium pentoxide }									
		023-001-00-8	215-239-8	1314-62-1		40.5 mg/kg	1.785	58.563 mg/kg	0.00586 %	✓	
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]									
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]									
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
								Total:	0.12 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP3-170221-1.80-1.80

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
TP3-170221-1.80-1.80
Moisture content:
12%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.62	mg/kg	1.32	7.692	mg/kg	0.000769 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.611	mg/kg	2.775	1.492	mg/kg	0.000149 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.79	mg/kg	3.22	5.072	mg/kg	0.000507 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.858	mg/kg	1.142	0.863	mg/kg	0.0000863 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16.1	mg/kg	1.462	20.707	mg/kg	0.00207 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		**<LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		103	mg/kg	1.126	102.051	mg/kg	0.0102 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	164	mg/kg		144.32	mg/kg	0.0144 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		22.2	mg/kg	2.637	51.51	mg/kg	0.00515 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		**<LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		198	mg/kg	2.469	430.25	mg/kg	0.043 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		727	mg/kg		727	mg/kg	0.0727 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.55	pH		8.55	pH	8.55 pH		
				PH									
21		naphthalene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.798	mg/kg		0.702	mg/kg	0.0000702 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.832	mg/kg		0.732	mg/kg	0.0000732 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		asbestos				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
				77536-68-6 77536-67-5 12001-29-5							
40		1,2-dihydroxybenzene; pyrocatechol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9							
41		resorcinol; 1,3-benzenediol				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3							
42		1-naphtol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3							
43		pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
44		nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		612-098-00-8	210-698-0	621-64-7							
45		nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		609-003-00-7	202-716-0	98-95-3							
46		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		606-012-00-8	201-126-0	78-59-1							
47		hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			200-666-4	67-72-1							
48		hexachlorocyclopentadiene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		602-078-00-7	201-029-3	77-47-4							
49		hexachlorobutadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			201-765-5	87-68-3							
50		di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			204-214-7	117-84-0							
51		dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			205-011-6	131-11-3							
52		diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			201-550-6	84-66-2							
53		dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
54		dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			205-071-3	132-64-9							
55		carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			201-696-0	86-74-8							
56		BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		607-430-00-3	201-622-7	85-68-7							
57		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		607-317-00-9	204-211-0	117-81-7							
58		bis(2-chloroethoxy)methane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			203-920-2	111-91-1							
59		bis(2-chloroethyl) ether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		603-029-00-2	203-870-1	111-44-4							
60		azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		611-001-00-6	203-102-5	103-33-3							
61		4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		609-015-00-2	202-811-7	100-02-7							
62		4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			230-281-7	7005-72-3							
63		4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		612-137-00-9	203-401-0	106-47-8							
64		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		604-014-00-3	200-431-6	59-50-7							
65		4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			202-952-4	101-55-3							
66		2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
			201-857-5	88-75-5							
67		1,2,4-trichlorobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		602-087-00-6	204-428-0	120-82-1							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
68		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
69		2,6-dinitrotoluene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
70		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
71		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
72		2,4-dichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
73		2,4,6-trichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
74		2,4,5-trichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
75		1,4-dichlorobenzene; p-dichlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
76		1,3-dichlorbenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
77		1,2-dichlorobenzene; o-dichlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
78		2-chloronaphthalene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
			202-079-9	91-58-7									
79		2-methyl naphthalene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
			202-078-3	91-57-6									
80		barium { barium sulphide }				111	mg/kg	1.233	120.488	mg/kg	0.012 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
81		vanadium { divanadium pentaoxide; vanadium pentoxide }				23.3	mg/kg	1.785	36.603	mg/kg	0.00366 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
82		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5	mg/kg		<1.5	mg/kg	<0.00015 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
83		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.169 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0727%)

Classification of sample: TP3-170221-0.30-0.30

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:
TP3-170221-0.30-0.30
Moisture content:
11%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.555%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.555%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.555%)

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
1		arsenic { arsenic trioxide }				14.7	mg/kg	1.32	17.274	mg/kg	0.00173 %	✓	
		033-003-00-0	215-481-4	1327-53-3									
2		beryllium { beryllium oxide }				0.336	mg/kg	2.775	0.83	mg/kg	0.000083 %	✓	
		004-003-00-8	215-133-1	1304-56-9									
3		boron { diboron trioxide; boric oxide }				1.1	mg/kg	3.22	3.152	mg/kg	0.000315 %	✓	
		005-008-00-8	215-125-8	1303-86-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
4		cadmium { cadmium oxide }				0.0206	mg/kg	1.142	0.0209	mg/kg	0.00000209 %	✓	
		048-002-00-0	215-146-2	1306-19-0									
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10.3	mg/kg	1.462	13.398	mg/kg	0.00134 %	✓	
			215-160-9	1308-38-9									
6		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
7		copper { dicopper oxide; copper (I) oxide }				55	mg/kg	1.126	55.112	mg/kg	0.00551 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	41.3	mg/kg		36.757	mg/kg	0.00368 %	✓	
		082-001-00-6											
9		mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
10		nickel { nickel sulfate }				10.6	mg/kg	2.637	24.874	mg/kg	0.00249 %	✓	
		028-009-00-5	232-104-9	7786-81-4									
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
12		zinc { zinc sulphate }				110	mg/kg	2.469	241.744	mg/kg	0.0242 %	✓	
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
13		TPH (C6 to C40) petroleum group				5550	mg/kg		5550	mg/kg	0.555 %		
				TPH									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.158	mg/kg		0.141	mg/kg	0.0000141 %	✓	
			205-912-4	206-44-0									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
28		pyrene				0.17	mg/kg		0.151	mg/kg	0.0000151 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.113	mg/kg		0.101	mg/kg	0.0000101 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.147	mg/kg		0.131	mg/kg	0.0000131 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
41		1-naphtol				0.17	mg/kg		0.151	mg/kg	0.0000151 %	✓	
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
79		barium { barium sulphide }				83.2	mg/kg	1.233	91.338	mg/kg	0.00913 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				19	mg/kg	1.785	30.187	mg/kg	0.00302 %	✓	
		023-001-00-8	215-239-8	1314-62-1									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]									
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]									
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
								Total:	0.608 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP4-170221-0.10-0.10

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
TP4-170221-0.10-0.10
Moisture content:
13%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.0458 mg/kg	1.32	0.0526 mg/kg	0.00000526 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.001 mg/kg	2.775	<0.0027 mg/kg	<0.000000278 %		<**LOD**
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.158 mg/kg	3.22	0.443 mg/kg	0.0000443 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.0008 mg/kg	1.142	<0.0009 mg/kg	<0.000000091 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		0.0701 mg/kg	1.126	0.0687 mg/kg	0.00000687 %	✓	
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	0.0724 mg/kg		0.063 mg/kg	0.0000063 %	✓	
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.0001 mg/kg	1.353	0.0001 mg/kg	0.000000017 %	✓	
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		<0.004 mg/kg	2.637	<0.0105 mg/kg	<0.00000105 %		<**LOD**
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.01 mg/kg	1.405	<0.0141 mg/kg	<0.00000141 %		<**LOD**
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		0.0731 mg/kg	2.469	0.157 mg/kg	0.0000157 %	✓	
11	barium { barium sulphide }	016-002-00-X	244-214-4	21109-95-5		0.153 mg/kg	1.233	0.164 mg/kg	0.0000164 %	✓	
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		0.0944 mg/kg	1.785	0.147 mg/kg	0.0000147 %	✓	
13	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		0.0208 mg/kg	1.462	0.0304 mg/kg	0.00000304 %		
								Total:	0.00011 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP4-170221-0.50-0.50

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
TP4-170221-0.50-0.50
Moisture content:
10%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.71 mg/kg	1.32	7.973 mg/kg	0.000797 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.208 mg/kg	2.775	0.52 mg/kg	0.000052 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.46 mg/kg	1.462	5.867 mg/kg	0.000587 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.2 mg/kg	1.126	18.442 mg/kg	0.00184 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	21.7 mg/kg		19.53 mg/kg	0.00195 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		4.91 mg/kg	2.637	11.652 mg/kg	0.00117 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		46.3 mg/kg	2.469	102.896 mg/kg	0.0103 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		151 mg/kg		151 mg/kg	0.0151 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				8.94	pH		8.94	pH	8.94 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.178	mg/kg		0.16	mg/kg	0.000016 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.244	mg/kg		0.22	mg/kg	0.000022 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.178	mg/kg		0.16	mg/kg	0.000016 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.167	mg/kg		0.15	mg/kg	0.000015 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.411	mg/kg		0.37	mg/kg	0.000037 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.233	mg/kg		0.21	mg/kg	0.000021 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.167	mg/kg		0.15	mg/kg	0.000015 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.211	mg/kg		0.19	mg/kg	0.000019 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.167	mg/kg		0.15	mg/kg	0.000015 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
71		2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2							
72		2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2							
73		2,4,5-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4							
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
75		1,3-dichlorbenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-067-00-7	208-792-1	541-73-1							
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
77		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
78		2-methyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6							
79		barium { barium sulphide }				21.5 mg/kg	1.233	23.868 mg/kg	0.00239 %	✓	
		016-002-00-X	244-214-4	21109-95-5							
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				12.4 mg/kg	1.785	19.923 mg/kg	0.00199 %	✓	
		023-001-00-8	215-239-8	1314-62-1							
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
								Total:	0.0377 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0151%)

Classification of sample: WS1-150221-0.20-0.20

Potentially Hazardous Waste
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample Name:
WS1-150221-0.20-0.20

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

HP 1: Explosive "waste which is capable by chemical reaction of producing gas at such a temperature and pressure and at such a speed as to cause damage to the surroundings. Pyrotechnic waste, explosive organic peroxide waste and explosive self-reactive waste is included"

Hazard Statements hit:

Expl. 1.1; H201 "Explosive; mass explosion hazard."

Because of determinand:

2,4,6-trinitrotoluene; TNT: (conc.: 0.00002%)

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
1		2,6-dinitrotoluene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
2		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
3		ethylene dinitrate; ethylene glycol dinitrate				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		603-032-00-9	211-063-0	628-96-6									
4		glycerol trinitrate; nitroglycerine				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		603-034-00-X	200-240-8	55-63-0									
5		pentaerythritol tetranitrate; P.E.T.N.				<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
		603-035-00-5	201-084-3	78-11-5									
6		2,4,6-trinitrophenol; picric acid				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-009-00-X	201-865-9	88-89-1									
7		N-methyl-N-2,4,6-tetranitroaniline; tetryl				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		612-017-00-6	207-531-9	479-45-8									
8		2,4,6-trinitrotoluene; TNT				0.2	mg/kg		0.2	mg/kg	0.00002 %		
		609-008-00-4	204-289-6	118-96-7									
										Total:	0.00103 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Potentially Hazardous result
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS1-150221-0.50-0.40

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS1-150221-0.50-0.40

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.0919 mg/kg	1.32	0.121 mg/kg	0.0000121 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.001 mg/kg	2.775	<0.0027 mg/kg	<0.000000278 %		<LOD
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.447 mg/kg	3.22	1.439 mg/kg	0.000144 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.0008 mg/kg	1.142	<0.0009 mg/kg	<0.000000091 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		<0.003 mg/kg	1.126	<0.0033 mg/kg	<0.000000338 %		<LOD
6	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	0.0267 mg/kg		0.0267 mg/kg	0.00000267 %	✓	
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
8	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		<0.004 mg/kg	2.637	<0.0105 mg/kg	<0.00000105 %		<LOD
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.01 mg/kg	1.405	<0.0141 mg/kg	<0.00000141 %		<LOD
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		<0.01 mg/kg	2.469	<0.0247 mg/kg	<0.00000247 %		<LOD
11	barium { barium sulphide }	016-002-00-X	244-214-4	21109-95-5		0.019 mg/kg	1.233	0.0234 mg/kg	0.00000234 %	✓	
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		0.0877 mg/kg	1.785	0.157 mg/kg	0.0000157 %	✓	
13	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.01 mg/kg	1.462	<0.0146 mg/kg	<0.00000146 %		<LOD
								Total:	0.00018 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS2A-150221-0.50-0.30

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:
WS2A-150221-0.50-0.30
Moisture content:
78%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 1.02%)
mesitylene; 1,3,5-trimethylbenzene: (conc.: 0.00001%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 1.02%)

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH: (conc.: 11.6 pH)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 1.02%)

Determinands

Moisture content: 78% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.52 mg/kg	1.32	2.765 mg/kg	0.000277 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.297 mg/kg	2.775	0.181 mg/kg	0.0000181 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.46 mg/kg	3.22	1.743 mg/kg	0.000174 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.0008 mg/kg	1.142	<0.0009 mg/kg	<0.000000091 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.28 mg/kg	1.462	2.019 mg/kg	0.000202 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.69 mg/kg	1.126	1.409 mg/kg	0.000141 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	160 mg/kg		35.2 mg/kg	0.00352 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.0001 mg/kg	1.353	3.28e-05 mg/kg	0.000000003 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.5 mg/kg	2.637	6.091 mg/kg	0.000609 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.01 mg/kg	1.405	<0.0141 mg/kg	<0.00000141 %		<LOD
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		32.5 mg/kg	2.469	17.655 mg/kg	0.00177 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		10200 mg/kg		10200 mg/kg	1.02 %		
14	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
17	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
18	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
19	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
20	pH			PH		11.6 pH		11.6 pH	11.6 pH		
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	acenaphthene		201-469-6	83-32-9		0.665 mg/kg		0.146 mg/kg	0.0000146 %	✓	
24	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
25		phenanthrene											
			201-581-5	85-01-8		2.85	mg/kg		0.627	mg/kg	0.0000627 %	✓	
26		anthracene											
			204-371-1	120-12-7		0.897	mg/kg		0.197	mg/kg	0.0000197 %	✓	
27		fluoranthene											
			205-912-4	206-44-0		12.1	mg/kg		2.662	mg/kg	0.000266 %	✓	
28		pyrene											
			204-927-3	129-00-0		16.4	mg/kg		3.608	mg/kg	0.000361 %	✓	
29		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		7.27	mg/kg		1.599	mg/kg	0.00016 %	✓	
30		chrysene											
		601-048-00-0	205-923-4	218-01-9		6.39	mg/kg		1.406	mg/kg	0.000141 %	✓	
31		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		5.21	mg/kg		1.146	mg/kg	0.000115 %	✓	
32		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		4.75	mg/kg		1.045	mg/kg	0.000105 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		5.27	mg/kg		1.159	mg/kg	0.000116 %	✓	
34		indeno[123-cd]pyrene											
			205-893-2	193-39-5		4.6	mg/kg		1.012	mg/kg	0.000101 %	✓	
35		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
36		benzo[ghi]perylene											
			205-883-8	191-24-2		2.65	mg/kg		0.583	mg/kg	0.0000583 %	✓	
37		phenol											
		604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)											
			203-458-1, 200-863-5	107-06-2, 75-34-3		<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<LOD
39		tetrachloroethylene											
		602-028-00-4	204-825-9	127-18-4		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
40		carbon tetrachloride; tetrachloromethane											
		602-008-00-5	200-262-8	56-23-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
41		trichloroethylene; trichloroethene											
		602-027-00-9	201-167-4	79-01-6		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
42		vinyl chloride; chloroethylene											
		602-023-00-7	200-831-0	75-01-4		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
43		hexachlorobenzene											
		602-065-00-6	204-273-9	118-74-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
44		1,2-dihydroxybenzene; pyrocatechol											
		604-016-00-4	204-427-5	120-80-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
45		resorcinol; 1,3-benzenediol											
		604-010-00-1	203-585-2	108-46-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
46		1-naphtol											
		604-029-00-5	201-969-4	90-15-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
47		pentachlorophenol											
		604-002-00-8	201-778-6	87-86-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
48		nitrosodipropylamine											
		612-098-00-8	210-698-0	621-64-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
49		nitrobenzene											
		609-003-00-7	202-716-0	98-95-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
50		3,5,5-trimethylcyclohex-2-enone; isophorone											
		606-012-00-8	201-126-0	78-59-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
51		hexachloroethane											
			200-666-4	67-72-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
52		hexachlorocyclopentadiene											
		602-078-00-7	201-029-3	77-47-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
53		hexachlorobutadiene											
			201-765-5	87-68-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
54		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
55		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
56		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
57		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
58		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
59		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
60		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
62		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
63		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
64		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
65		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
66		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
67		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
69		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
84		barium { barium sulphide }				22.1	mg/kg	1.233	5.997	mg/kg	0.0006 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				15.7	mg/kg	1.785	6.166	mg/kg	0.000617 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
90		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
91		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
92		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
93		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
94		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
95		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
96		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
97		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
98		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
99		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
100		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
101		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
102		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
103		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
105		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
106		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
107		1,3-dichloropropane		205-531-3	142-28-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
108		dibromochloromethane		204-704-0	124-48-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
109		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
110		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
111		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
112		styrene	601-026-00-0	202-851-5	100-42-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
113		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
114		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
115		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
116		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
117		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		0.634	mg/kg		0.139	mg/kg	0.0000139 %	✓	
118		tert-butylbenzene		202-632-4	98-06-6		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
119		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
120		sec-butylbenzene		205-227-0	135-98-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
121		4-isopropyltoluene		202-796-7	99-87-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
122		n-butylbenzene		203-209-7	104-51-8		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
123		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
124		2-methoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
125		1,2,3-trichlorobenzene		201-757-1	87-61-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
127		cumene; [1] propylbenzene [2]	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]		<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
129		Dibutyltin			1002-53-5		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
130		Tributyl Tin			688-73-3		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
											Total:	1.031 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Determinand defined by classifier (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS3-150221-0.30-0.30

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:	LoW Code:
WS3-150221-0.30-0.30	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	
14% (wet weight correction)	Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.832%)
xylene: (conc.: 0.00005%)
1,2,4-trimethylbenzene: (conc.: 0.00001%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.832%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.832%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

dicopper oxide; copper (I) oxide: (compound conc.: 1.52%)
zinc sulphate: (compound conc.: 1.862%)

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		42.3	mg/kg	1.32	48.031	mg/kg	0.0048 %	✓	
2		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.1	mg/kg	2.775	<0.278	mg/kg	<0.0000278 %		<**LOD**
3		boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.05	mg/kg	3.22	2.908	mg/kg	0.000291 %	✓	
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.78	mg/kg	1.142	1.749	mg/kg	0.000175 %	✓	
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		142.66	mg/kg	1.462	179.315	mg/kg	0.0179 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		3.34	mg/kg	1.923	5.524	mg/kg	0.000552 %	✓	
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15700	mg/kg	1.126	15201.744	mg/kg	1.52 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	607	mg/kg		522.02	mg/kg	0.0522 %	✓	
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<1	mg/kg	1.353	<1.353	mg/kg	<0.000135 %		<**LOD**
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		153	mg/kg	2.637	346.935	mg/kg	0.0347 %	✓	
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<10	mg/kg	1.405	<14.05	mg/kg	<0.00141 %		<**LOD**
12		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		8770	mg/kg	2.469	18623.927	mg/kg	1.862 %	✓	
13		TPH (C6 to C40) petroleum group			TPH		8320	mg/kg		8320	mg/kg	0.832 %		
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.595	mg/kg		0.512	mg/kg	0.0000512 %	✓	
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
20		pH			PH		8.1	pH		8.1	pH	8.1 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		1.36	mg/kg		1.17	mg/kg	0.000117 %	✓	
22		acenaphthylene		205-917-1	208-96-8		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
23		acenaphthene		201-469-6	83-32-9		2.44	mg/kg		2.098	mg/kg	0.00021 %	✓	
24		fluorene		201-695-5	86-73-7		1.46	mg/kg		1.256	mg/kg	0.000126 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
25		phenanthrene				4.5	mg/kg		3.87	mg/kg	0.000387 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.774	mg/kg		0.666	mg/kg	0.0000666 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				7.56	mg/kg		6.502	mg/kg	0.00065 %	✓	
			205-912-4	206-44-0									
28		pyrene				6.37	mg/kg		5.478	mg/kg	0.000548 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				3.46	mg/kg		2.976	mg/kg	0.000298 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				3.78	mg/kg		3.251	mg/kg	0.000325 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				2.83	mg/kg		2.434	mg/kg	0.000243 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				2.49	mg/kg		2.141	mg/kg	0.000214 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				1.94	mg/kg		1.668	mg/kg	0.000167 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				1.91	mg/kg		1.643	mg/kg	0.000164 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				1.28	mg/kg		1.101	mg/kg	0.00011 %	✓	
			205-883-8	191-24-2									
37		phenol				5.68	mg/kg		4.885	mg/kg	0.000488 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
44		asbestos				12	mg/kg		12	mg/kg	0.0012 %		
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
45		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
46		resorcinol; 1,3-benzenediol				0.0585	mg/kg		0.0503	mg/kg	0.00000503 %	✓	
		604-010-00-1	203-585-2	108-46-3									
47		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-029-00-5	201-969-4	90-15-3									
48		pentachlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
49		nitrosodipropylamine				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
50		nitrobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
51		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
52		hexachloroethane				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			200-666-4	67-72-1									
53		hexachlorocyclopentadiene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
54		hexachlorobutadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-765-5	87-68-3									
55		di-n-octyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			204-214-7	117-84-0									
56		dimethyl phthalate				0.938	mg/kg		0.807	mg/kg	0.0000807 %	✓	
			205-011-6	131-11-3									
57		diethyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-550-6	84-66-2									
58		dibutyl phthalate; DBP				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
59		dibenzofuran				1.32	mg/kg		1.135	mg/kg	0.000114 %	✓	
			205-071-3	132-64-9									
60		carbazole				0.692	mg/kg		0.595	mg/kg	0.0000595 %	✓	
			201-696-0	86-74-8									
61		BBP; benzyl butyl phthalate				0.598	mg/kg		0.514	mg/kg	0.0000514 %	✓	
		607-430-00-3	201-622-7	85-68-7									
62		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				2.44	mg/kg		2.098	mg/kg	0.00021 %	✓	
		607-317-00-9	204-211-0	117-81-7									
63		bis(2-chloroethoxy)methane				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			203-920-2	111-91-1									
64		bis(2-chloroethyl) ether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
65		azobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
66		4-nitrophenol; p-nitrophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
67		4-chlorophenylphenylether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			230-281-7	7005-72-3									
68		4-chloroaniline				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		4-bromophenylphenylether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			202-952-4	101-55-3									
71		2-nitrophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-857-5	88-75-5									
72		1,2,4-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
73		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
74		2,6-dinitrotoluene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
75		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
77		2,4-dichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
78		2,4,6-trichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
79		2,4,5-trichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
80		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
81		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		2-chloronaphthalene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			202-079-9	91-58-7									
84		2-methyl naphthalene				0.878	mg/kg		0.755	mg/kg	0.0000755 %	✓	
			202-078-3	91-57-6									
85		barium { barium sulphide }				869	mg/kg	1.233	921.839	mg/kg	0.0922 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
86		vanadium { divanadium pentaoxide; vanadium pentoxide }				16.4	mg/kg	1.785	25.178	mg/kg	0.00252 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5	mg/kg		<1.5	mg/kg	<0.00015 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				0.82	mg/kg		0.705	mg/kg	0.0000705 %	✓	
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
89		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
90		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
91		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
92		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
93		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
94		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
95		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
96		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
97		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
98		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
99		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
100		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
101		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
102		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
103		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
104		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
105		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
106		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									
107		1,1,2-trichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
108		1,3-dichloropropane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9									
109		dibromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1									
110		1,2-dibromoethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
111		chlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
112		1,1,1,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6									
113		styrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
114		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
115		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
116		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
117		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
118		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
119		tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
120		1,2,4-trimethylbenzene				0.191	mg/kg		0.164	mg/kg	0.0000164 %	✓	
		601-043-00-3	202-436-9	95-63-6									
121		sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									
122		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6									
123		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8									
124		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
125		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8									
126		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6									
127		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
128		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
129		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
130		Dibutyltin		1002-53-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
131		Tributyl Tin		688-73-3		0.28	mg/kg		0.28	mg/kg	0.000028 %		
										Total:	4.43 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Determinand defined by classifier (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because Chromium VI typically below LOD or at concentrations considered too low to be oxidising therefore the next most conservative species has been used.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00055%)

Classification of sample: WS3-150221-1.00-1.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS3-150221-1.00-1.00
Moisture content:
14%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.32 mg/kg	1.32	4.905 mg/kg	0.000491 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.116 mg/kg	2.775	0.277 mg/kg	0.0000277 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.27 mg/kg	3.22	6.286 mg/kg	0.000629 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0504 mg/kg	1.142	0.0495 mg/kg	0.00000495 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.75 mg/kg	1.462	3.457 mg/kg	0.000346 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		35.8 mg/kg	1.126	34.664 mg/kg	0.00347 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	25.8 mg/kg		22.188 mg/kg	0.00222 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		3.7 mg/kg	2.637	8.39 mg/kg	0.000839 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		44.8 mg/kg	2.469	95.137 mg/kg	0.00951 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		231 mg/kg		231 mg/kg	0.0231 %		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
15		benzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
16		toluene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
17		ethylbenzene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
18		xylene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
		006-007-00-5									
20		pH				8.92 pH		8.92 pH	8.92 pH		
				PH							
21		naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
23		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
24		fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7							
25		phenanthrene				0.58 mg/kg		0.499 mg/kg	0.0000499 %	✓	
			201-581-5	85-01-8							
26		anthracene				0.139 mg/kg		0.12 mg/kg	0.000012 %	✓	
			204-371-1	120-12-7							
27		fluoranthene				0.603 mg/kg		0.519 mg/kg	0.0000519 %	✓	
			205-912-4	206-44-0							
28		pyrene				0.882 mg/kg		0.759 mg/kg	0.0000759 %	✓	
			204-927-3	129-00-0							
29		benzo[a]anthracene				0.476 mg/kg		0.409 mg/kg	0.0000409 %	✓	
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				0.464 mg/kg		0.399 mg/kg	0.0000399 %	✓	
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				0.452 mg/kg		0.389 mg/kg	0.0000389 %	✓	
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				0.36 mg/kg		0.31 mg/kg	0.000031 %	✓	
		601-036-00-5	205-916-6	207-08-9							
33		benzo[a]pyrene; benzo[def]chrysene				0.441 mg/kg		0.379 mg/kg	0.0000379 %	✓	
		601-032-00-3	200-028-5	50-32-8							
34		indeno[123-cd]pyrene				0.406 mg/kg		0.349 mg/kg	0.0000349 %	✓	
			205-893-2	193-39-5							
35		dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
36		benzo[ghi]perylene				0.255 mg/kg		0.219 mg/kg	0.0000219 %	✓	
			205-883-8	191-24-2							
37		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
39		tetrachloroethylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		asbestos				50	mg/kg		50	mg/kg	0.005 %		
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
45		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
46		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
47		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
48		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
49		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
50		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
51		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
52		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
53		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
54		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
55		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
56		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
57		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
58		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
59		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
60		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
61		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
62		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
63		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
64		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
65		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
66		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
67		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
68		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
71		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
72		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
73		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
74		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
75		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
77		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
78		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
79		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
80		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
81		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
84		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
85		barium { barium sulphide }				24.1	mg/kg	1.233	25.565	mg/kg	0.00256 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
86		vanadium { divanadium pentaoxide; vanadium pentoxide }				7.62	mg/kg	1.785	11.699	mg/kg	0.00117 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
89		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
90		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
91		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
92		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
93		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
94		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
95		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
96		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
97		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
98		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
99		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
100		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
101		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
102		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
103		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
104		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
105		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
106		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									
107		1,1,2-trichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
108		1,3-dichloropropane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9									
109		dibromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1									
110		1,2-dibromoethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
111		chlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
112		1,1,1,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6									
113		styrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
114		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
115		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
116		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
117		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
118		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
119		tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
120		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
121		sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									
122		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6									
123		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8									
124		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
125		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8									
126		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6									
127		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
128		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
129		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.0512 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0231%)

Classification of sample: WS3-150221-1.40-1.40

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS3-150221-1.40-1.40
Moisture content:
13%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.51 mg/kg	1.32	9.775 mg/kg	0.000978 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.451 mg/kg	2.775	1.089 mg/kg	0.000109 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.48 mg/kg	3.22	4.146 mg/kg	0.000415 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.26 mg/kg	1.142	0.258 mg/kg	0.0000258 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13.7 mg/kg	1.462	17.42 mg/kg	0.00174 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		**<LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		32.8 mg/kg	1.126	32.128 mg/kg	0.00321 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	152 mg/kg		132.24 mg/kg	0.0132 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.22 mg/kg	2.637	21.15 mg/kg	0.00211 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		**<LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		130 mg/kg	2.469	279.277 mg/kg	0.0279 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		866 mg/kg		866 mg/kg	0.0866 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				9.13	pH		9.13	pH	9.13 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.667	mg/kg		0.58	mg/kg	0.000058 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.196	mg/kg		0.171	mg/kg	0.0000171 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				1.27	mg/kg		1.105	mg/kg	0.00011 %	✓	
			205-912-4	206-44-0									
28		pyrene				1.83	mg/kg		1.592	mg/kg	0.000159 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.12	mg/kg		0.974	mg/kg	0.0000974 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.12	mg/kg		0.974	mg/kg	0.0000974 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1.07	mg/kg		0.931	mg/kg	0.0000931 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				1.09	mg/kg		0.948	mg/kg	0.0000948 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				1.33	mg/kg		1.157	mg/kg	0.000116 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				1.29	mg/kg		1.122	mg/kg	0.000112 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.127	mg/kg		0.11	mg/kg	0.000011 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				1.07	mg/kg		0.931	mg/kg	0.0000931 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
40		carbon tetrachloride; tetrachloromethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
41		trichloroethylene; trichloroethene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
42		vinyl chloride; chloroethylene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
43		hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
44		asbestos				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
45		1,2-dihydroxybenzene; pyrocatechol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9							
46		resorcinol; 1,3-benzenediol				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3							
47		1-naphtol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3							
48		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
49		nitrosodipropylamine				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7							
50		nitrobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3							
51		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1							
52		hexachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1							
53		hexachlorocyclopentadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4							
54		hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3							
55		di-n-octyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0							
56		dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3							
57		diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2							
58		dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
59		dibenzofuran				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9							
60		carbazole				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8							
61		BBP; benzyl butyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7							
62		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7							
63		bis(2-chloroethoxy)methane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1							
64		bis(2-chloroethyl) ether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4							
65		azobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3							
66		4-nitrophenol; p-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
67		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
68		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
71		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
72		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
73		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
74		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
75		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
77		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
78		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
79		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
80		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
81		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
84		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
85		barium { barium sulphide }				157	mg/kg	1.233	168.483	mg/kg	0.0168 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
86		vanadium { divanadium pentaoxide; vanadium pentoxide }				27.2	mg/kg	1.785	42.245	mg/kg	0.00422 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
89		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
90		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
91		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
92		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
93		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
94		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
95		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
96		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
97		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
98		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
99		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
100		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
101		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
102		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
103		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
104		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
105		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
106		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									
107		1,1,2-trichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
108		1,3-dichloropropane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9									
109		dibromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1									
110		1,2-dibromoethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
111		chlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
112		1,1,1,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6									
113		styrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
114		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
115		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
116		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
117		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
118		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
119		tert-butylbenzene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6							
120		1,2,4-trimethylbenzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
121		sec-butylbenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8							
122		4-isopropyltoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6							
123		n-butylbenzene				<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8							
124		1,2-dibromo-3-chloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
125		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8							
126		1,2,3-trichlorobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6							
127		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
128		cumene; [1] propylbenzene [2]				<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
129		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19 mg/kg		<0.19 mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
								Total:	0.161 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0866%)

Classification of sample: WS4-160221-0.40-0.40

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS4-160221-0.40-0.40
Moisture content:
24%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 24% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23.2 mg/kg	1.32	23.28 mg/kg	0.00233 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.48 mg/kg	2.775	5.231 mg/kg	0.000523 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.291 mg/kg	3.22	0.712 mg/kg	0.0000712 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0391 mg/kg	1.142	0.0339 mg/kg	0.00000339 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20.3 mg/kg	1.462	22.549 mg/kg	0.00225 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		258 mg/kg	1.126	220.764 mg/kg	0.0221 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	119 mg/kg		90.44 mg/kg	0.00904 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		44.3 mg/kg	2.637	88.772 mg/kg	0.00888 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.01 mg/kg	1.405	<0.0141 mg/kg	<0.00000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		209 mg/kg	2.469	392.223 mg/kg	0.0392 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		660 mg/kg		660 mg/kg	0.066 %		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
15		benzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
16		toluene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
17		ethylbenzene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
18		xylene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
		006-007-00-5									
20		pH				8.34 pH		8.34 pH	8.34 pH		
				PH							
21		naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
23		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
24		fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7							
25		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8							
26		anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7							
27		fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0							
28		pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0							
29		benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33		benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
34		indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5							
35		dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
36		benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2							
37		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
38		hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
39		1,2-dihydroxybenzene; pyrocatechol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9							
40		resorcinol; 1,3-benzenediol				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
79		barium { barium sulphide }				197	mg/kg	1.233	184.679	mg/kg	0.0185 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				116	mg/kg	1.785	157.382	mg/kg	0.0157 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.186 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.066%)

Classification of sample: WS4-160221-0.80-0.80

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS4-160221-0.80-0.80

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	arsenic { arsenic trioxide }		11.2 mg/kg	1.32	14.788 mg/kg	0.00148 %	✓	
	033-003-00-0 / 215-481-4 / 1327-53-3							
2	beryllium { beryllium oxide }		0.335 mg/kg	2.775	0.93 mg/kg	0.000093 %	✓	
	004-003-00-8 / 215-133-1 / 1304-56-9							
3	boron { diboron trioxide; boric oxide }		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8 / 215-125-8 / 1303-86-2							
4	cadmium { cadmium oxide }		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<LOD
	048-002-00-0 / 215-146-2 / 1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		7.06 mg/kg	1.462	10.319 mg/kg	0.00103 %	✓	
	/ 215-160-9 / 1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
	024-001-00-0 / 215-607-8 / 1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }		6.79 mg/kg	1.126	7.645 mg/kg	0.000764 %	✓	
	029-002-00-X / 215-270-7 / 1317-39-1							
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	1	18.7 mg/kg		18.7 mg/kg	0.00187 %	✓	
	082-001-00-6 / /							
9	mercury { mercury dichloride }		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
	080-010-00-X / 231-299-8 / 7487-94-7							
10	nickel { nickel sulfate }		9.22 mg/kg	2.637	24.31 mg/kg	0.00243 %	✓	
	028-009-00-5 / 232-104-9 / 7786-81-4							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }		<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8 / /							
12	zinc { zinc sulphate }		33 mg/kg	2.469	81.487 mg/kg	0.00815 %	✓	
	030-006-00-9 / 231-793-3 [1] 231-793-3 [2] / 7446-19-7 [1] 7733-02-0 [2]							
13	TPH (C6 to C40) petroleum group		32.2 mg/kg		32.2 mg/kg	0.00322 %		
	/ / TPH							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				8.88	pH		8.88	pH	8.88 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		604-010-00-1	203-585-2	108-46-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
57		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
79		barium { barium sulphide }				18.7	mg/kg	1.233	23.066	mg/kg	0.00231 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				29.3	mg/kg	1.785	52.306	mg/kg	0.00523 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
										Total:	0.028 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00322%)

Classification of sample: WS5-160221-0.20-0.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS5-160221-0.20-0.00
Moisture content:
12%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.78 mg/kg	1.32	7.878 mg/kg	0.000788 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.223 mg/kg	2.775	0.545 mg/kg	0.0000545 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.671 mg/kg	1.142	0.675 mg/kg	0.0000675 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15.7 mg/kg	1.462	20.193 mg/kg	0.00202 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		69.5 mg/kg	1.126	68.859 mg/kg	0.00689 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	172 mg/kg		151.36 mg/kg	0.0151 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.1 mg/kg	2.637	32.716 mg/kg	0.00327 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		265 mg/kg	2.469	575.84 mg/kg	0.0576 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		572 mg/kg		572 mg/kg	0.0572 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
20		pH				9.16	pH		9.16	pH	9.16 pH		
				PH									
21		naphthalene				0.655	mg/kg		0.576	mg/kg	0.0000576 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				1.06	mg/kg		0.933	mg/kg	0.0000933 %	✓	
			201-469-6	83-32-9									
24		fluorene				0.791	mg/kg		0.696	mg/kg	0.0000696 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				6.98	mg/kg		6.142	mg/kg	0.000614 %	✓	
			201-581-5	85-01-8									
26		anthracene				1.44	mg/kg		1.267	mg/kg	0.000127 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				10.9	mg/kg		9.592	mg/kg	0.000959 %	✓	
			205-912-4	206-44-0									
28		pyrene				14.6	mg/kg		12.848	mg/kg	0.00128 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				9.73	mg/kg		8.562	mg/kg	0.000856 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				8.18	mg/kg		7.198	mg/kg	0.00072 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				11.1	mg/kg		9.768	mg/kg	0.000977 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				9.94	mg/kg		8.747	mg/kg	0.000875 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				14.5	mg/kg		12.76	mg/kg	0.00128 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				11.8	mg/kg		10.384	mg/kg	0.00104 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				1.47	mg/kg		1.294	mg/kg	0.000129 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				10.1	mg/kg		8.888	mg/kg	0.000889 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
39		asbestos				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
				77536-68-6 77536-67-5 12001-29-5									
40		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
41		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
42		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
43		pentachlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
44		nitrosodipropylamine				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
45		nitrobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
46		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
47		hexachloroethane				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			200-666-4	67-72-1									
48		hexachlorocyclopentadiene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
49		hexachlorobutadiene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-765-5	87-68-3									
50		di-n-octyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			204-214-7	117-84-0									
51		dimethyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			205-011-6	131-11-3									
52		diethyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-550-6	84-66-2									
53		dibutyl phthalate; DBP				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
54		dibenzofuran				0.599	mg/kg		0.527	mg/kg	0.0000527 %	✓	
			205-071-3	132-64-9									
55		carbazole				0.814	mg/kg		0.716	mg/kg	0.0000716 %	✓	
			201-696-0	86-74-8									
56		BBP; benzyl butyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
57		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
58		bis(2-chloroethoxy)methane				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			203-920-2	111-91-1									
59		bis(2-chloroethyl) ether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
60		azobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
61		4-nitrophenol; p-nitrophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
62		4-chlorophenylphenylether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			230-281-7	7005-72-3									
63		4-chloroaniline				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
64		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
65		4-bromophenylphenylether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			202-952-4	101-55-3									
66		2-nitrophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-857-5	88-75-5									
67		1,2,4-trichlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-087-00-6	204-428-0	120-82-1									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
68		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
69		2,6-dinitrotoluene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
70		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
71		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
72		2,4-dichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
73		2,4,6-trichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
74		2,4,5-trichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
75		1,4-dichlorobenzene; p-dichlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
76		1,3-dichlorbenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
77		1,2-dichlorobenzene; o-dichlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
78		2-chloronaphthalene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			202-079-9	91-58-7									
79		2-methyl naphthalene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			202-078-3	91-57-6									
80		barium { barium sulphide }				98.5	mg/kg	1.233	106.919	mg/kg	0.0107 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
81		vanadium { divanadium pentaoxide; vanadium pentoxide }				13.8	mg/kg	1.785	21.679	mg/kg	0.00217 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
82		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5	mg/kg		<1.5	mg/kg	<0.00015 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
83		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
84		ethylene dinitrate; ethylene glycol dinitrate				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		603-032-00-9	211-063-0	628-96-6									
85		glycerol trinitrate; nitroglycerine				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		603-034-00-X	200-240-8	55-63-0									
86		pentaerythritol tetranitrate; P.E.T.N.				<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
		603-035-00-5	201-084-3	78-11-5									
87		2,4,6-trinitrophenol; picric acid				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-009-00-X	201-865-9	88-89-1									
88		N-methyl-N-2,4,6-tetranitroaniline; tetryl				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		612-017-00-6	207-531-9	479-45-8									
89		2,4,6-trinitrotoluene; TNT				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-008-00-4	204-289-6	118-96-7									
										Total:	0.171 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0572%)

Classification of sample: WS5-160221-0.50-0.50

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:
WS5-160221-0.50-0.50
Moisture content:
17%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to hazardous because Given the nature of the samples (soils) the threshold has been increased to 1,000mg/kg.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.16%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.16%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.16%)

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.2 mg/kg	1.32	15.561 mg/kg	0.00156 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.0182 mg/kg	2.775	0.0419 mg/kg	0.00000419 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.85 mg/kg	3.22	4.944 mg/kg	0.000494 %	✓	

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.22	mg/kg	1.142	1.157	mg/kg	0.000116 %	✓	
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25.28	mg/kg	1.462	30.667	mg/kg	0.00307 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		1.72	mg/kg	1.923	2.745	mg/kg	0.000275 %	✓	
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		115	mg/kg	1.126	107.466	mg/kg	0.0107 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	362	mg/kg		300.46	mg/kg	0.03 %	✓	
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.144	mg/kg	1.353	0.162	mg/kg	0.0000162 %	✓	
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		22.6	mg/kg	2.637	49.459	mg/kg	0.00495 %	✓	
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
12		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		445	mg/kg	2.469	912.035	mg/kg	0.0912 %	✓	
13		TPH (C6 to C40) petroleum group			TPH		1600	mg/kg		1600	mg/kg	0.16 %		
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
20		pH			PH		8.73	pH		8.73	pH	8.73 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
25		phenanthrene		201-581-5	85-01-8		2.6	mg/kg		2.158	mg/kg	0.000216 %	✓	
26		anthracene		204-371-1	120-12-7		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
27		fluoranthene		205-912-4	206-44-0		4.93	mg/kg		4.092	mg/kg	0.000409 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
28		pyrene				6.08	mg/kg		5.046	mg/kg	0.000505 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				3.73	mg/kg		3.096	mg/kg	0.00031 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				4.13	mg/kg		3.428	mg/kg	0.000343 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				4.7	mg/kg		3.901	mg/kg	0.00039 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				4.09	mg/kg		3.395	mg/kg	0.000339 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				4.66	mg/kg		3.868	mg/kg	0.000387 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				4.18	mg/kg		3.469	mg/kg	0.000347 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				3.43	mg/kg		2.847	mg/kg	0.000285 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		hexachlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
39		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
40		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
41		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
42		pentachlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
43		nitrosodipropylamine				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
44		nitrobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
45		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
46		hexachloroethane				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			200-666-4	67-72-1									
47		hexachlorocyclopentadiene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
48		hexachlorobutadiene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-765-5	87-68-3									
49		di-n-octyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			204-214-7	117-84-0									
50		dimethyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			205-011-6	131-11-3									
51		diethyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-550-6	84-66-2									
52		dibutyl phthalate; DBP				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
53		dibenzofuran				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			205-071-3	132-64-9									
54		carbazole				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-696-0	86-74-8									
55		BBP; benzyl butyl phthalate				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
56		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				0.636	mg/kg		0.528	mg/kg	0.0000528 %	✓	
		607-317-00-9	204-211-0	117-81-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
57		bis(2-chloroethoxy)methane				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			203-920-2	111-91-1									
58		bis(2-chloroethyl) ether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
59		azobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
60		4-nitrophenol; p-nitrophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
61		4-chlorophenylphenylether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			230-281-7	7005-72-3									
62		4-chloroaniline				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
63		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
64		4-bromophenylphenylether				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			202-952-4	101-55-3									
65		2-nitrophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			201-857-5	88-75-5									
66		1,2,4-trichlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
67		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
68		2,6-dinitrotoluene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
69		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
70		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
71		2,4-dichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
72		2,4,6-trichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
73		2,4,5-trichlorophenol				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
74		1,4-dichlorobenzene; p-dichlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
75		1,3-dichlorbenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
76		1,2-dichlorobenzene; o-dichlorobenzene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
77		2-chloronaphthalene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			202-079-9	91-58-7									
78		2-methyl naphthalene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
			202-078-3	91-57-6									
79		barium { barium sulphide }				127	mg/kg	1.233	130.023	mg/kg	0.013 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
80		vanadium { divanadium pentaoxide; vanadium pentoxide }				15.4	mg/kg	1.785	22.818	mg/kg	0.00228 %	✓	
		023-001-00-8	215-239-8	1314-62-1									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
81		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]									
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<**LOD**
82		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]									
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
								Total:	0.324 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because Chromium VI typically below LOD or at concentrations considered too low to be oxidising therefore the next most conservative species has been used.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00027%)

Classification of sample: WS7A-160221-0.80-0.60

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS7A-160221-0.80-0.60
Moisture content:
16%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.85 mg/kg	1.32	10.924 mg/kg	0.00109 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.0815 mg/kg	2.775	0.19 mg/kg	0.000019 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.44 mg/kg	3.22	3.895 mg/kg	0.000389 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.278 mg/kg	1.142	0.267 mg/kg	0.0000267 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.3 mg/kg	1.462	11.418 mg/kg	0.00114 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24.1 mg/kg	1.126	22.792 mg/kg	0.00228 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	110 mg/kg		92.4 mg/kg	0.00924 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.1 mg/kg	2.637	31.229 mg/kg	0.00312 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		99.2 mg/kg	2.469	205.762 mg/kg	0.0206 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
20		pH				10.3	pH		10.3	pH	10.3 pH		
				PH									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.238	mg/kg		0.2	mg/kg	0.00002 %	✓	
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.262	mg/kg		0.22	mg/kg	0.000022 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.357	mg/kg		0.3	mg/kg	0.00003 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.19	mg/kg		0.16	mg/kg	0.000016 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.19	mg/kg		0.16	mg/kg	0.000016 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.119	mg/kg		0.1	mg/kg	0.00001 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.143	mg/kg		0.12	mg/kg	0.000012 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.143	mg/kg		0.12	mg/kg	0.000012 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.119	mg/kg		0.1	mg/kg	0.00001 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
45		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
46		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
47		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
48		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
49		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
50		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
51		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
52		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
53		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
54		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
55		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
56		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
57		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
58		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
59		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
60		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
62		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
63		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
64		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
65		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
66		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
67		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
84		barium { barium sulphide }				76	mg/kg	1.233	78.746	mg/kg	0.00787 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				14.4	mg/kg	1.785	21.594	mg/kg	0.00216 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
90		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
91		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
92		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
93		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
94		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
95		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
96		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
97		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
98		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
99		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
100		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
101		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
102		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
103		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
105		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									
106		1,1,2-trichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
107		1,3-dichloropropane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9									
108		dibromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1									
109		1,2-dibromoethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
110		chlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
111		1,1,1,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6									
112		styrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
113		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
114		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
115		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
116		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
117		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
118		tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
119		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
120		sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
121		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6									
122		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8									
123		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
124		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8									
125		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6									
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
127		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.0505 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS7A-160221-1.50-1.30

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS7A-160221-1.50-1.30
Moisture content:
9.2%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.2% Wet Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.68 mg/kg	1.32	3.213 mg/kg	0.000321 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.0799 mg/kg	2.775	0.201 mg/kg	0.0000201 %	✓	
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		3.31 mg/kg	3.22	9.677 mg/kg	0.000968 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.21 mg/kg	1.142	0.218 mg/kg	0.0000218 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.81 mg/kg	1.462	5.056 mg/kg	0.000506 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		**<LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.84 mg/kg	1.126	8.015 mg/kg	0.000801 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	35.5 mg/kg		32.234 mg/kg	0.00322 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		3.91 mg/kg	2.637	9.361 mg/kg	0.000936 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		**<LOD**
12	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		34.8 mg/kg	2.469	78.026 mg/kg	0.0078 %	✓	
13	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		**<LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
15		benzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
16		toluene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
17		ethylbenzene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
18		xylene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
		006-007-00-5									
20		pH				8.72 pH		8.72 pH	8.72 pH		
				PH							
21		naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
23		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
24		fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7							
25		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8							
26		anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7							
27		fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0							
28		pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0							
29		benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33		benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
34		indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5							
35		dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
36		benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2							
37		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
39		tetrachloroethylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		carbon tetrachloride; tetrachloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		1,2-dihydroxybenzene; pyrocatechol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-016-00-4	204-427-5	120-80-9									
45		resorcinol; 1,3-benzenediol				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		604-010-00-1	203-585-2	108-46-3									
46		1-naphtol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-029-00-5	201-969-4	90-15-3									
47		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
48		nitrosodipropylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
49		nitrobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
50		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
51		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
52		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
53		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
54		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
55		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
56		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
57		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
58		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
59		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-696-0	86-74-8									
60		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
61		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
62		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
63		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
64		azobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
65		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
66		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
67		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
68		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
69		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
70		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
71		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
73		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
74		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
75		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
76		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
77		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
78		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		1,3-dichlorbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
83		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
84		barium { barium sulphide }				27.2	mg/kg	1.233	30.464	mg/kg	0.00305 %	✓	
		016-002-00-X	244-214-4	21109-95-5									
85		vanadium { divanadium pentaoxide; vanadium pentoxide }				6.89	mg/kg	1.785	11.168	mg/kg	0.00112 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
86		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
87		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
88		dichlorodifluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-893-9	75-71-8									
89		chloromethane; methyl chloride				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
90		bromomethane; methylbromide				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
91		chloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-009-00-0	200-830-5	75-00-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
92		trichlorofluoromethane				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
			200-892-3	75-69-4									
93		1,1-dichloroethylene; vinylidene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
94		carbon disulphide				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		006-003-00-3	200-843-6	75-15-0									
95		dichloromethane; methylene chloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
96		2,2-dichloropropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			209-832-0	594-20-7									
97		bromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-826-3	74-97-5									
98		chloroform; trichloromethane				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
99		1,1,1-trichloroethane; methyl chloroform				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
100		1,1-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
101		1,2-dichloropropane; propylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
102		dibromomethane				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
103		bromodichloromethane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			200-856-7	75-27-4									
104		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
105		trans-1,3-dichloropropene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			431-460-4	10061-02-6									
106		1,1,2-trichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
107		1,3-dichloropropane				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			205-531-3	142-28-9									
108		dibromochloromethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-704-0	124-48-1									
109		1,2-dibromoethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
110		chlorobenzene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
111		1,1,1,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			211-135-1	630-20-6									
112		styrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
113		bromoform; tribromomethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
114		1,1,2,2-tetrachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
115		1,2,3-trichloropropane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
116		bromobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
117		mesitylene; 1,3,5-trimethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
118		tert-butylbenzene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			202-632-4	98-06-6									
119		1,2,4-trimethylbenzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
120		sec-butylbenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-227-0	135-98-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
121		4-isopropyltoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-796-7	99-87-6									
122		n-butylbenzene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			203-209-7	104-51-8									
123		1,2-dibromo-3-chloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
124		2-methoxy-2-methylbutane; tert-amyl methyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-213-00-2	213-611-4	994-05-8									
125		1,2,3-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-757-1	87-61-6									
126		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
127		cumene; [1] propylbenzene [2]				<0.15	mg/kg		<0.15	mg/kg	<0.000015 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
128		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.19	mg/kg		<0.19	mg/kg	<0.000019 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.0213 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS8-160221-0.40-0.30

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS8-160221-0.40-0.30

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
1		2,6-dinitrotoluene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
2		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
3		ethylene dinitrate; ethylene glycol dinitrate				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		603-032-00-9	211-063-0	628-96-6							
4		glycerol trinitrate; nitroglycerine				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		603-034-00-X	200-240-8	55-63-0							
5		pentaerythritol tetranitrate; P.E.T.N.				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
		603-035-00-5	201-084-3	78-11-5							
6		2,4,6-trinitrophenol; picric acid				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-009-00-X	201-865-9	88-89-1							
7		N-methyl-N-2,4,6-tetranitroaniline; tetryl				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		612-017-00-6	207-531-9	479-45-8							
8		2,4,6-trinitrotoluene; TNT				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-008-00-4	204-289-6	118-96-7							
								Total:	0.00102 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection
ND	Not detected

Appendix A: Classifier defined and non CLP determinands

- **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1 H317 , Repr. 1B H360FD , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **lead compounds with the exception of those specified elsewhere in this Annex (worst case)**

CLP index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

- **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

- **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

- **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

- **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

- **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2 H351

benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , STOT RE 2 H373

hexachlorobutadiene (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 2 H310 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Eye Irrit. 2 H319 , Acute Tox. 2 H330 , Carc. 2 H351 , Repr. 2 H361 , STOT SE 2 H371 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

di-n-octyl phthalate (EC Number: 204-214-7, CAS Number: 117-84-0)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Repr. 2 H361 , Skin Sens. 1 H317 , Resp. Sens. 1 H334 , Eye Irrit. 2 H319 , Aquatic Chronic 4 H413

- **dimethyl phthalate** (EC Number: 205-011-6, CAS Number: 131-11-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 3 H331 , STOT SE 3 H335 , STOT SE 3 H336 , Repr. 2 H361 , Aquatic Chronic 3 H412

- **diethyl phthalate** (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2 H315 , Acute Tox. 3 H331 , Acute Tox. 3 H311 , STOT SE 3 H335 , STOT RE 2 H373 , Repr. 2 H361 , Acute Tox. 4 H302 , STOT SE 3 H336 , Skin Sens. 1 H317 , Aquatic Chronic 1 H410

- **dibenzofuran** (EC Number: 205-071-3, CAS Number: 132-64-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 4 H312 , Acute Tox. 4 H332 , Aquatic Chronic 2 H411

- **carbazole** (EC Number: 201-696-0, CAS Number: 86-74-8)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Muta. 2 H341 , Carc. 2 H351 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Acute Tox. 3 H331 , Acute Tox. 3 H311 , Acute Tox. 3 H301

- **bis(2-chloroethoxy)methane** (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 4 H312 , Acute Tox. 1 H330 , Acute Tox. 2 H330 , STOT SE 1 H370 , STOT RE 2 H373

- **4-chlorophenylphenylether** (EC Number: 230-281-7, CAS Number: 7005-72-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Eye Dam. 1 H318 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **4-bromophenylphenylether** (EC Number: 202-952-4, CAS Number: 101-55-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Eye Dam. 1 H318 , Eye Irrit. 2 H319 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **2-nitrophenol** (EC Number: 201-857-5, CAS Number: 88-75-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 4 H312 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 4 H332 , STOT SE 3 H335 , STOT RE 2 H373 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **2-chloronaphthalene** (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

- **2-methyl naphthalene** (EC Number: 202-078-3, CAS Number: 91-57-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , STOT SE 3 H336 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

barium sulphide (EC Number: 244-214-4, CAS Number: 21109-95-5)

CLP index number: 016-002-00-X
Description/Comments:
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): EUH031 >= 0.8 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH031 >= 0.8 % hazard statement sourced from: WM3, Table C12.2

1,1-dichloroethane and 1,2-dichloroethane (combined) (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane
Data source: N/a
Data source date: 14 Oct 2016
Hazard Statements: Flam. Liq. 2 H225 , Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 1B H350 , Aquatic Chronic 3 H412

dichlorodifluoromethane (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Aquatic Chronic 3 H412 , Ozone 1 H420 , Press. Gas H280

trichlorofluoromethane (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H312 , Ozone 1 H420

2,2-dichloropropane (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H332 , Flam. Liq. 2 H225 , Acute Tox. 4 H302 , Acute Tox. 4 H312 , Eye Irrit. 2 H319

bromochloromethane (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H312 , Skin Corr. 1B H314 , Eye Dam. 1 H318 , Acute Tox. 4 H332 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Ozone 1 H420

bromodichloromethane (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Dam. 1 H318 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Muta. 1B H340 , Carc. 1B H350 , Repr. 1A H360

trans-1,3-dichloropropene (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Acute Tox. 3 H301 , Asp. Tox. 1 H304 , Acute Tox. 3 H311 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Eye Irrit. 2 H319 , Acute Tox. 4 H332 , STOT SE 3 H335 , Aquatic Chronic 1 H410

1,3-dichloropropane (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H332 , Flam. Liq. 2 H225 , Flam. Liq. 3 H226 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335

dibromochloromethane (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 4 H312 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 4 H332 , STOT SE 3 H335 , STOT SE 3 H336 , Muta. 2 H341 , Aquatic Chronic 2 H411

1,1,1,2-tetrachloroethane (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , Acute Tox. 3 H331 , Eye Dam. 1 H318 , Acute Tox. 4 H332 , Carc. 2 H351 , Acute Tox. 4 H312 , Aquatic Chronic 3 H412 , Skin Irrit. 2 H315

tert-butylbenzene (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 3 H331 , Acute Tox. 4 H332 , STOT SE 3 H335 , Asp. Tox. 1 H304 , Aquatic Chronic 2 H411

sec-butylbenzene (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Aquatic Chronic 2 H411

4-isopropyltoluene (EC Number: 202-796-7, CAS Number: 99-87-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Chronic 2 H411

n-butylbenzene (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

1,2,3-trichlorobenzene (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , STOT SE 3 H336 , Aquatic Acute 1 H400 , Aquatic Chronic 3 H410

chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1 H317 , Repr. 1B H360FD , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

Dibutyltin (CAS Number: 1002-53-5)

Description/Comments: Prior to use on another project, please check with Tom Cahill. For Calders & Grandidge use only.
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/154766
Data source date: 17 Dec 2018
Hazard Statements: Acute Tox. 4 H302

Tributyl Tin (CAS Number: 688-73-3)

Description/Comments:
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/3635
Data source date: 17 Dec 2018
Hazard Statements: Aquatic Acute 1 H400 (M=10), Aquatic Chronic 1 H410 (M=10), Acute Tox. 3 H301 (M=10), Acute Tox. 4 H312 (M=10), Skin Irrit. 2 H315 (M=10), Eye Irrit. 2 H319 (M=10), Repr. 1B H360FD (M=10), STOT RE 1 H372 (M=10), Skin Sens. 1 H317 (M=10)

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics

boron {diboron trioxide; boric oxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Chromium VI typically below LOD or at concentrations considered too low to be oxidising therefore the next most conservative species has been used.

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel sulfate}

Chromium VI typically below LOD or at concentrations considered too low to be oxidising therefore the next most conservative species has been used.

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil.

zinc {zinc sulphate}

Chromium VI typically below LOD or at concentrations considered too low to be oxidising therefore the next most conservative species has been used.

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide]

barium {barium sulphide}

Chromium VI typically below LOD or at concentrations considered too low to be oxidising therefore the next most conservative species has been used.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worse case chosen

chromium {chromium(III) oxide (worst case)}

Worse case chosen

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.77.4714.9046 (18 Mar 2021)
HazWasteOnline Database: 2021.77.4714.9046 (18 Mar 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2019 - UK: 2019 No. 720 of 27th March 2019
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

Appendix H

REPORT LIMITATIONS

CONFIDENTIAL

Revised: 24/05/2016

REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

GENERAL

1. WSP UK Limited has prepared this report solely for the use of the Client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed and outlined in the body of the report.

2. Unless explicitly agreed otherwise, in writing, this report has been prepared under WSP UK Limited standard Terms and Conditions as included within our proposal to the Client.

3. Project specific appointment documents may be agreed at our discretion and a charge may be levied for both the time to review and finalise appointments documents and also for associated changes to the appointment terms. WSP UK Limited reserves the right to amend the fee should any changes to the appointment terms create an increase risk to WSP UK Limited.

4. The report needs to be considered in the light of the WSP UK Limited proposal and associated limitations of scope. The report needs to be read in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the report.

PHASE 1 GEO ENVIRONMENTAL AND PRELIMINARY RISK ASSESSMENTS

Coverage: *This section covers reports with the following titles or combination of titles: phase 1; desk top study; geo environmental assessment; development appraisal; preliminary environmental risk assessment; constraints report; due diligence report; geotechnical development review; environmental statement; environmental chapter; project scope summary report (PSSR), program environmental impact report (PEIR), geotechnical development risk register; and, baseline environmental assessment.*

5. The works undertaken to prepare this report comprised a study of available and easily documented information from a variety of sources (including the Client), together with (where appropriate) a brief walk over inspection of the Site and correspondence with relevant authorities and other interested parties. Due to the short timescales associated with these projects responses may not have been received from all parties. WSP UK Limited cannot be held responsible for any disclosures that are provided post production of our report and will not automatically update our report.

6. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only for the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, WSP UK Limited reserves the right to review such information and, if warranted, to modify the opinions accordingly.

7. It should be noted that any risks identified in this report are perceived risks based on the information reviewed. Actual risks can only be assessed following intrusive investigations of the site.

8. WSP UK Limited does not warrant work / data undertaken / provided by others.

REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

INTRUSIVE INVESTIGATION REPORTS

Coverage: *The following report titles (or combination) may cover this category of work: geo environmental site investigation; geotechnical assessment; GIR (Ground Investigation reports); preliminary environmental and geotechnical risk assessment; and, geotechnical risk register.*

9. The investigation has been undertaken to provide information concerning either:

- **i.** The type and degree of contamination present at the site in order to allow a generic quantitative risk assessment to be undertaken; or
- **ii.** Information on the soil properties present at the site to allow for geotechnical development constraints to be considered.

10. The scope of the investigation was selected on the basis of the specific development and land use scenario proposed by the Client and may be inappropriate to another form of development or scheme. If the development layout was not known at the time of the investigation the report findings may need revisiting once the development layout is confirmed.

11. For contamination purposes, the objectives of the investigation are limited to establishing the risks associated with potential contamination sources with the potential to cause harm to human health, building materials, the environment (including adjacent land), or controlled waters.

12. For geotechnical investigations the purpose is to broadly consider potential development constraints associated with the physical property of the soils underlying the site within the context of the proposed future or continued use of the site, as stated within the report.

13. The amount of exploratory work, soil property testing and chemical testing undertaken has necessarily been restricted by various factors which may include accessibility, the presence of services; existing buildings; current site usage or short timescales. The exploratory holes completed assess only a small percentage of the area in relation to the overall size of the Site, and as such can only provide a general indication of conditions.

14. The number of sampling points and the methods of sampling and testing do not preclude the possible existence of contamination where concentrations may be significantly higher than those actually encountered or ground conditions that vary from those identified. In addition, there may be exceptional ground conditions elsewhere on the site which have not been disclosed by this investigation and which have therefore not been taken into account in this report.

15. The inspection, testing and monitoring records relate specifically to the investigation points and the timeframe that the works were undertaken. They will also be limited by the techniques employed. As part of this assessment, WSP UK Limited has used reasonable skill and care to extrapolate conditions between these points based upon assumptions to develop our interpretation and conclusions. The assumption made in forming our conclusions is that the ground and groundwater conditions (both chemically and physically) are the same as have been encountered during the works undertaken at the specific points of investigation. Conditions can change between investigation points and these interpretations should be considered indicative.

16. The risk assessment and opinions provided are based on currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective

effects of any future changes or amendments to these values. Specific assumptions associated with the WSP UK Limited risk assessment process have been outlined within the body or associated appendix of the report.

17. Additional investigations may be required in order to satisfy relevant planning conditions or to resolve any engineering and environmental issues.

18. Where soil contamination concentrations recorded as part of this investigation are used for commentary on potential waste classification of soils for disposal purposes, these should be classed as indicative only. Due consideration should be given to the variability of contaminant concentrations taken from targeted samples versus bulk excavated soils and the potential variability of contaminant concentrations between sampling locations. Where major waste disposal operations are considered, targeted waste classification investigations should be designed.

19. The results of the asbestos testing are factually reported and interpretation given as to how this relates to the previous use of the site, the types of ground encountered and site conceptualisation. This does not however constitute a formal asbestos assessment. These results should be treated cautiously and should not be relied upon to provide detailed and representative information on the delineation, type and extent of bulk ACMs and / or trace loose asbestos fibres within the soil matrix at the site.

20. If costs have been included in relation to additional site works, and / or site remediation works these must be considered as indicative only and must be confirmed by a qualified quantity surveyor.

EUROCODE 7: GEOTECHNICAL DESIGN

21. On 1st April 2010, BS EN 1997-1:2004 (Eurocode 7: Geotechnical Design – Part 1) became the mandatory baseline standard for geotechnical ground investigations.

22. In terms of geotechnical design for foundations, slopes, retaining walls and earthworks, EC7 sets guidance on design procedures including specific guidance on the numbers and spacings of boreholes for geotechnical design, there are limits to methods of ground investigation and the quality of data obtained and there are also prescriptive methods of assessing soil strengths and methods of design. Unless otherwise explicitly stated, the work has not been undertaken in accordance with EC7. A standard geotechnical interpretative report will not meet the requirements of the Geotechnical Design Report (GDR) under Eurocode 7. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. The report is likely to represent a Ground Investigation Report (GIR) under the Eurocode 7 guidance.

DETAILED QUANTITATIVE RISK ASSESSMENTS AND REMEDIAL STRATEGY REPORTS

23. These reports build upon previous report versions and associated notes. The scope of the investigation, further testing and monitoring and associated risk assessments were selected on the basis of the specific development and land use scenario proposed by the Client and may not be appropriate to another form of development or scheme layout. The risk assessment and opinions provided are based on currently available approaches in the generation of Site Specific Assessment Criteria relating to contamination concentrations and are not considered to represent a risk in a specific land use scenario to a specific receptor. No liability can be

accepted for the retrospective effects of any future changes or amendments to these values, associated models or associated guidance.

24. The outputs of the Detailed Quantitative Risk Assessments are based upon WSP UK Limited manipulation of standard risk assessment models. These are our interpretation of the risk assessment criteria.

25. Prior to adoption on site they will need discussing and agreeing with the Regulatory Authorities prior to adoption on site. The regulatory discussion and engagement process may result in an alternative interpretation being determined and agreed. The process and timescales associated with the Regulatory Authority engagement are not within the control of WSP UK Limited. All costs and programmes presented as a result of this process should be validated by a quantity surveyor and should be presumed to be indicative.

GEOTECHNICAL DESIGN REPORT (GDR)

26. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. All the relevant information needs to be provided to allow for a GDR to be produced.

MONITORING (INCLUDING REMEDIATION MONITORING REPORTS)

27. These reports are factual in nature and comprise monitoring, normally groundwater and ground gas and data provided by contractors as part of an earthworks or remedial works.

28. The data is presented and will be compared with assessment criteria.

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